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NEWS 2		"Ask CAS" for self-help around the clock
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NEWS 10	OCT 06	STN AnaVist workshops to be held in North America
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FILE 'HOME' ENTERED AT 15:07:20 ON 26 OCT 2005

=> file medline embase caplus biosis agricola

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'MEDLINE' ENTERED AT 15:08:27 ON 26 OCT 2005

FILE 'EMBASE' ENTERED AT 15:08:27 ON 26 OCT 2005

FILE 'CAPLUS' ENTERED AT 15:08:27 ON 26 OCT 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'BIOSIS' ENTERED AT 15:08:27 ON 26 OCT 2005

FILE 'AGRICOLA' ENTERED AT 15:08:27 ON 26 OCT 2005

```
=> s (IGF-2 or IGF-II or insulin(w)like(w)growth(w)factor(w)II)
L1       24302 (IGF-2 OR IGF-II OR INSULIN(W) LIKE(W) GROWTH(W) FACTOR(W) II)

=> s l1 or (tgf-beta or tumor(w)growth(w)factor(w)beta)
L2      113372 L1 OR (TGF-BETA OR TUMOR(W) GROWTH(W) FACTOR(W) BETA)

=> s l2 and (treat? or therap?)
L3       34899 L2 AND (TREAT? OR THERAP?)

=> s l1 or (tgf-beta(s)analog? or tumor(w)growth(w)factor(w)beta(s)analog?)
L4       24773 L1 OR (TGF-BETA(S) ANALOG? OR TUMOR(W) GROWTH(W) FACTOR(W) BETA(
             S) ANALOG?)

=> dis his

     (FILE 'HOME' ENTERED AT 15:07:20 ON 26 OCT 2005)

     FILE 'MEDLINE, EMBASE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 15:08:27 ON
     26 OCT 2005
L1       24302 S (IGF-2 OR IGF-II OR INSULIN(W)LIKE(W)GROWTH(W)FACTOR(W)II)
L2      113372 S L1 OR (TGF-BETA OR TUMOR(W)GROWTH(W)FACTOR(W)BETA)
L3       34899 S L2 AND (TREAT? OR THERAP?)
L4       24773 S L1 OR (TGF-BETA(S)ANALOG? OR TUMOR(W)GROWTH(W)FACTOR(W)BETA(S

=> s l4 and (treat? or therap?)
L5        5894 L4 AND (TREAT? OR THERAP?)

=> s l5 and (embryo or pregnan?)
L6         628 L5 AND (EMBRYO OR PREGNAN?)

=> dup rem
ENTER L# LIST OR (END):l6
PROCESSING COMPLETED FOR L6
L7          327 DUP REM L6 (301 DUPLICATES REMOVED)

=> s l6 and cytotrophoblast
L8           11 L6 AND CYTOTROPHOBLAST

=> s l1 or (tgf-beta(s)antibod? or tumor(w)growth(w)factor(w)beta(s)antibod?)
L9       32022 L1 OR (TGF-BETA(S) ANTIBOD? OR TUMOR(W) GROWTH(W) FACTOR(W)
             BETA(S) ANTIBOD?)

=> s l9 and (embryo or pregnan?)
L10       4008 L9 AND (EMBRYO OR PREGNAN?)

=> s l10 and (treat? or therap?)
L11        774 L10 AND (TREAT? OR THERAP?)

=> s l11 and infertil?
L12         24 L11 AND INFERTIL?

=> s l10 and differen?
```

L13 1833 L10 AND DIFFEREN?

=> rem dup l11
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

```
  DELETE BIO?/Q           - delete query names starting with BIO
  DELETE ?DRUG/A          - delete answer set names ending with DRUG
  DELETE ?ELEC?/L         - delete L-number lists containing ELEC
  DELETE ANTICOAG/S       - delete SDI request
  DELETE ENZYME/B         - delete batch request
  DELETE .MYCLUSTER       - delete user-defined cluster
  DELETE .MYFORMAT        - delete user-defined display format
  DELETE .MYFIELD         - delete user-defined search field
  DELETE NAMELIST MYLIST - delete mailing list
```

To delete an ordered document or an offline print, enter its number.

Examples:

```
  DELETE P123001C         - delete print request
  DELETE D134002C         - delete document order request
```

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
  DELETE L21              - delete a single L-number
  DELETE L3-L6            - delete a range of L-numbers
  DELETE LAST 4           - delete the last 4 L-numbers
  DELETE L33-             - delete L33 and any higher L-number
  DELETE -L55             - delete L55 and any lower L-number
  DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                            renumber remaining L-numbers
  DELETE RENUMBER         - renumber L-numbers after deletion of
                            intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
  DELETE SAVED/Q - delete all saved queries
  DELETE SAVED/A - delete all saved answer sets
  DELETE SAVED/L - delete all saved L-number lists
  DELETE SAVED   - delete all saved queries, answer sets,
                   and L-number lists
  DELETE SAVED/S - delete all SDI requests
  DELETE SAVED/B - delete all batch requests
  DELETE CLUSTER - delete all user-defined clusters
  DELETE FORMAT  - delete all user-defined display formats
```

```
  DELETE FIELD   - delete all user-defined search fields
  DELETE SELECT  - delete all E-numbers
  DELETE HISTORY - delete all L-numbers and restart the
                   session at L1

To delete an entire multifile SDI request, enter DELETE and
the name of the request.  To delete a component from the
multifile SDI, enter DELETE and the name of the component.

=> dup rem l11
PROCESSING COMPLETED FOR L11
L14          397 DUP REM L11 (377 DUPLICATES REMOVED)

=> dis his

     (FILE 'HOME' ENTERED AT 15:07:20 ON 26 OCT 2005)

     FILE 'MEDLINE, EMBASE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 15:08:27 ON
     26 OCT 2005
L1         24302 S (IGF-2 OR IGF-II OR INSULIN(W)LIKE(W)GROWTH(W)FACTOR(W)II)
L2        113372 S L1 OR (TGF-BETA OR TUMOR(W)GROWTH(W)FACTOR(W)BETA)
L3         34899 S L2 AND (TREAT? OR THERAP?)
L4         24773 S L1 OR (TGF-BETA(S)ANALOG? OR TUMOR(W)GROWTH(W)FACTOR(W)BETA(S
L5          5894 S L4 AND (TREAT? OR THERAP?)
L6           628 S L5 AND (EMBRYO OR PREGNAN?)
L7           327 DUP REM L6 (301 DUPLICATES REMOVED)
L8            11 S L6 AND CYTOTROPHOBLAST
L9         32022 S L1 OR (TGF-BETA(S)ANTIBOD? OR TUMOR(W)GROWTH(W)FACTOR(W)BETA(
L10         4008 S L9 AND (EMBRYO OR PREGNAN?)
L11          774 S L10 AND (TREAT? OR THERAP?)
L12           24 S L11 AND INFERTIL?
L13         1833 S L10 AND DIFFEREN?
L14          397 DUP REM L11 (377 DUPLICATES REMOVED)

=> s l14 and uteri?
L15           35 L14 AND UTERI?

=> dis l15 ibib abs 1-10

L15  ANSWER 1 OF 35     MEDLINE on STN
ACCESSION NUMBER:    2005511706     IN-PROCESS
DOCUMENT NUMBER:     PubMed ID: 16183872
TITLE:               Endocrine disruption of uterine insulin-like
                     growth factor expression in the pregnant gilt.
AUTHOR:              Ashworth M D; Ross J W; Stein D R; Allen D T; Spicer L J;
                     Geisert R D
CORPORATE SOURCE:    Department of Animal Science, Oklahoma Agricultural
                     Experiment Station, Animal Science Building, Oklahoma State
                     University, Stillwater, Oklahoma 74078, USA.
SOURCE:              Reproduction (Cambridge, England), (2005 Oct) 130 (4)
                     545-51.
                     Journal code: 100966036. ISSN: 1470-1626.
PUB. COUNTRY:        England: United Kingdom
DOCUMENT TYPE:       Journal; Article; (JOURNAL ARTICLE)
LANGUAGE:            English
FILE SEGMENT:        NONMEDLINE; IN-DATA-REVIEW; IN-PROCESS; NONINDEXED;
                     Priority Journals
ENTRY DATE:          Entered STN: 20050927
                     Last Updated on STN: 20050927
AB   Early exposure of pregnant gilts to oestrogen, prior to the
     normal period of porcine conceptus oestrogen secretion, disrupts the
     uterine environment resulting in complete embryonic mortality
     during the period of placental attachment to the uterine
     surface.  The current study evaluates the uterine insulin-like
```

growth factor (IGF) system following endocrine disruption of early **pregnancy** in gilts through exposure to exogenous oestrogen on Days 9 and 10 of gestation. Endometrial IGF gene and protein expression, IGF-I receptor (IGF-IR) gene expression, and **uterine** lumenal content of IGF binding proteins (IGFBPs) were evaluated in control and oestrogen-**treated** gilts on Days 10, 12, 13, 15 and 17 of gestation. Oestrogen **treatment** altered endometrial IGF-I and IGF-IR gene expression on Days 12 and 13 of gestation. **Uterine** content of IGF-I and **IGF-II** in control gilts was greatest on Days 10, 12, and 13 followed by a four- to sixfold decrease on Day 15 of gestation. Oestrogen **treatment** caused a premature proteolysis of IGFBPs within the **pregnant** pig uterus on Day 10 of gestation, and an earlier decline in **uterine** lumenal IGF-I content. Results demonstrate that early exposure of **pregnant** gilts to oestrogen causes premature loss of **uterine** IGFs during the period of conceptus elongation. Timing for the release of **uterine** IGFs during early porcine conceptus development may play an important function in the ability of the conceptus to attach and survive during the establishment of **pregnancy**.

L15 ANSWER 2 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2005150324 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15749960
TITLE: The IGF system in the neonatal ovine uterus.
AUTHOR: Hayashi Kanako; Carpenter Karen D; Welsh Thomas H Jr; Burghardt Robert C; Spicer Leon J; Spencer Thomas E
CORPORATE SOURCE: Center for Animal Biotechnology and Genomics and Department of Animal Science, Texas A&M University, College Station, Texas 77843, USA.
CONTRACT NUMBER: HD38274 (NICHD)
P30 ES09106 (NIEHS)
SOURCE: Reproduction (Cambridge, England), (2005 Mar) 129 (3) 337-47.
Journal code: 100966036. ISSN: 1470-1626.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200506
ENTRY DATE: Entered STN: 20050324
Last Updated on STN: 20050614
Entered Medline: 20050613

AB Postnatal development of the ovine uterus primarily involves **uterine** gland morphogenesis or adenogenesis. Adenogenesis involves the budding differentiation of the glandular epithelium (GE) from the luminal epithelium (LE) and then GE proliferation and coiling/branching morphogenetic development within the stroma between birth (postnatal day or PND 0) and PND 56. Insulin-like growth factor (IGF)-I and **IGF-II** mRNAs were previously found to be expressed only in the endometrial stroma, whereas the IGF receptor (IGF-1R) mRNA was most abundant in epithelia and in stroma, suggesting that an intrinsic IGF system regulates postnatal development of the uterus. Given that the biological activities of IGFs are modulated by a family of six IGF binding proteins (IGFBPs) and specific proteases, the objective was to determine the effects of age and estrogen disruption on expression of IGFs, IGFBPs and **pregnancy**-associated plasma protein A (PAPP-A or IGFBP-4 protease) in the ovine uterus. In Study One, circulating levels of IGF-I and **IGF-II** in the serum of neonatal ewes did not change between PND 0 and PND 56. Levels of immunoreactive IGF-I, **IGF-II** and IGF-1R protein were most abundant on the apical surface of the endometrial LE and GE. RT-PCR analyses detected expression of IGFBPs (3, 4, 5 and 6) as well as PAPP-A mRNAs in the uterus, but not IGFBP-1 and IGFBP-2 mRNAs. IGFBP-3 and IGFBP-4 mRNAs were expressed specifically in the endometrial stroma and

myometrium and increased after birth. PAPP-A mRNA was expressed specifically in the endometrial stroma and increased after birth. In Study Two, ewes were **treated** from birth with estradiol-17beta valerate (EV), which reduces **uterine** growth and inhibits endometrial adenogenesis. On PNDs 14 and 56, IGFBP-3 mRNA was decreased in the uterus of EV-**treated** ewes, but IGF-1R and IGFBP-4 mRNAs were not affected. PAPP-A mRNA was increased by EV **treatment** on PND 14, but decreased on PND 56. These results support the hypothesis that an intrinsic IGF system in the uterus regulates epithelial-stromal interactions important for postnatal **uterine** growth and endometrial gland morphogenesis in the sheep.

L15 ANSWER 3 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2004467501 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15377605
TITLE: **Pregnancy** and bovine somatotropin in nonlactating dairy cows: I. Ovarian, conceptus, and insulin-like growth factor system responses.
AUTHOR: Bilby T R; Guzeloglu A; Kamimura S; Pancarci S M; Michel F; Head H H; Thatcher W W
CORPORATE SOURCE: Department of Animal Sciences, University of Florida, Gainesville 32611, USA.
SOURCE: Journal of dairy science, (2004 Oct) 87 (10) 3256-67. Journal code: 2985126R. ISSN: 0022-0302.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200501
ENTRY DATE: Entered STN: 20040921
Last Updated on STN: 20050126
Entered Medline: 20050125

AB Nonlactating dairy cows were used to examine effects of bovine somatotropin (bST) on components of the insulin-like growth factor (IGF) system. Estrus was synchronized in cows with a Presynch + Ovsynch protocol and timed AI (TAI; n = 55) or not TAI (cycling, C; n = 23) on d 0 (time of synchronized ovulation). On d 0 and 11, cows received bST (500 mg) or no bST, and were sacrificed on d 17. **Pregnancy** rates were less in bST cows (27.2%, 9 of 33) than in controls (63.6%; 14 of 22). In contrast, conceptuses were larger in bST-**treated** cows (39.2 +/- 4.8 cm) than in controls (20 +/- 4.3 cm). Total interferon-tau in **uterine** luminal flushings (ULF) was greater in bST-**treated** cows (7.15 > 2.36 microg). Number of class 2 follicles (6 to 9 mm) was less in bST-C cows on d 7 and 16. On d 17, corpus luteum (CL) weight tended to be greater in bST-**treated** cows. Concentrations of progesterone were greater after d 10 in C than in **pregnant** (P) cows. In the ULF, IGF-binding protein-3 was greater in bST-P cows than in **pregnant** cows. A tendency for an increase in IGF-I hormone concentrations in the ULF was detected on d 17 in bST-**treated** and cyclic cows. Endometrial mRNA for IGF-I, IGF-II, IGFBP-2, and IGFBP-3 increased in bST-C, but not in bST-P cows. **Treatment** with bST increased plasma concentrations of insulin, IGF-I, and growth hormone (GH). In conclusion, bST may have hyperstimulated plasma IGF-I and insulin to cause asynchrony between conceptus and uterus that was detrimental to **pregnancy**.

L15 ANSWER 4 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2004297924 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15059950
TITLE: Neonatal estrogen exposure disrupts **uterine** development in the postnatal sheep.
AUTHOR: Hayashi Kanako; Carpenter Karen D; Spencer Thomas E
CORPORATE SOURCE: Center for Animal Biotechnology and Genomics, Department of Animal Science, Texas A&M University, College Station,

Texas 77843-2471, USA.
CONTRACT NUMBER: HD38274 (NICHD)
P30 ES09106 (NIEHS)
SOURCE: Endocrinology, (2004 Jul) 145 (7) 3247-57. Electronic Publication: 2004-04-01.
Journal code: 0375040. ISSN: 0013-7227.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200407
ENTRY DATE: Entered STN: 20040617
Last Updated on STN: 20040715
Entered Medline: 20040714

AB Postnatal development of the ovine uterus between birth and postnatal day (PND) 56 involves budding differentiation of the endometrial glandular epithelium from the luminal epithelium (LE) followed by extensive coiling and branching morphogenesis of the tubular glands. To determine the short- and long-term effects of estrogen on neonatal ovine **uterine** development after PND 14, neonatal sheep were randomly assigned at birth (PND 0) to be **treated** daily with estradiol-17beta benzoate (EB; 0, 0.01, 0.1, 1, or 10 microg/kg body weight.d) during one of two developmental periods (PND 14-27 or 42-55). All ewes were hemiovariohysterectomized at the end of EB **treatment** on either PND 28 or 56, and the remaining **uterine** horn and ovary removed on PND 112. Immediate responses to EB **treatment** included dose- and age-dependent increases in **uterine** wet weight, thickness of the endometrium, myometrium, and LE, but decreases in endometrial glands on PND 28 and 56. Transient exposure to EB decreased gland number and thickness of the endometrium and LE on PND 112 but did not affect extrauterine reproductive tract structures. The mechanism of estrogen inhibition of **uterine** development did not involve effects on cell proliferation. Real-time PCR analyses found that EB exposure disrupted normal patterns of growth factor (IGF-I, IGF-II, fibroblast growth factor-7, fibroblast growth factor-10, and hepatocyte growth factor) and receptor mRNA expression in the uterus. Transient exposure of the neonatal ewe to estrogens during critical periods specifically alters growth factor networks that perturb normal development of the uterus, leading to permanent alterations in **uterine** structure and function.

L15 ANSWER 5 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2003523798 MEDLINE
DOCUMENT NUMBER: PubMed ID: 14601886
TITLE: **Uterine** immune reaction and reproductive performance of sows inseminated with extended semen and infused with pooled whole dead semen.
AUTHOR: Lessard M; Lepine M; Matte J J; Palin M F; Laforest J P
CORPORATE SOURCE: Dairy and Swine Research and Development Centre, Agriculture and Agri-Food Canada, Lennoxville, Canada J1M 1Z3.. lessardm@agr.gc.ca
SOURCE: Journal of animal science, (2003 Nov) 81 (11) 2818-25.
Journal code: 8003002. ISSN: 0021-8812.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200402
ENTRY DATE: Entered STN: 20031107
Last Updated on STN: 20040213
Entered Medline: 20040212

AB The objective of this study was to investigate the effect of infusing whole dead semen (WDS) after AI with diluted commercial semen on **uterine** inflammatory reaction and embryonic survival rate in

gilts. Sixty Yorkshire-Landrace gilts were assigned at their second estrus to one of the following AI **treatments**: 1) commercial semen adjusted to 1 x 10(9) sperm cells (S1) per dose, followed by an infusion of 80 mL of WDS (S1-WDS); 2) S1 followed by an infusion of 80 mL of Beltsville Thawing Solution (S1-BTS); 3) commercial semen adjusted to 3 x 10(9) sperm cells (S3) per dose, followed by an infusion of 80 mL of BTS (S3-BTS); and 4) a negative control group, in which gilts received two infusions of 80 mL of BTS (BTS). Two days after the first AI, eight gilts from Groups 1, 2, and 4 were slaughtered and reproductive tracts were collected. One horn was cut open longitudinally along the antimesometrial aspect and endometrial samples were taken and immediately frozen for analysis of messenger RNA (mRNA) abundance for inflammatory cytokines and growth factors. The other horn was flushed with 20 mL of PBS, and the contents of interferon-gamma (IFN-gamma), tumor necrosis factor-alpha (TNF-alpha) and transforming growth factor-beta1 (TGF-beta1) were determined by ELISA. On d 25 after AI, gilts from Groups 1, 2, and 3 were slaughtered and their reproductive tracts were collected to evaluate the number of fetuses and corpora lutea. On d 2 after the first AI, only TGF-beta1 was detected in the flush of all gilts, and no difference was observed between S1-WDS, S1-BTS, and BTS gilts. Endometrial levels of IFN-gamma and interleukin (IL)-6 mRNA were marked in all gilts, but they were not affected by the AI **treatments**, whereas the mRNA abundances for IL-1 and IL-2 were negligible. Infusions of WDS or BTS after a fertile AI did not affect IGF-I, IGF-I receptor, or IGF-II mRNA levels compared with gilts infused with BTS only, whereas the mRNA abundance for the **IGF-II** receptor was decreased ($P < 0.05$) in WDS-infused gilts. In gilts inseminated with S1 doses, infusion of WDS did not affect the number of live **embryos**. Although infusions of WDS did not affect the mRNA level and secretion of the cytokines measured and did not improve embryonic survival rates, further studies are needed to better understand the influence of semen composition on the **uterine** response after mating.

L15 ANSWER 6 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2003341515 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12700189
TITLE: Estrogen and antiestrogen effects on neonatal ovine **uterine** development.
AUTHOR: Carpenter Karen D; Gray C Allison; Bryan Tina M; Welsh Thomas H Jr; Spencer Thomas E
CORPORATE SOURCE: Center for Animal Biotechnology and Genomics, Department of Animal Science, Texas A&M University, College Station, Texas 77843-2471, USA.
CONTRACT NUMBER: HD38274 (NICHD)
P30ES09106 (NIEHS)
SOURCE: Biology of reproduction, (2003 Aug) 69 (2) 708-17.
Electronic Publication: 2003-04-16.
Journal code: 0207224. ISSN: 0006-3363.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200404
ENTRY DATE: Entered STN: 20030723
Last Updated on STN: 20040407
Entered Medline: 20040406

AB Postnatal development of the ovine uterus between birth and Postnatal Day (PND) 56 involves differentiation of the endometrial glandular epithelium from the luminal epithelium followed by tubulogenesis and branching morphogenesis. These critical events coincide with expression of estrogen receptor alpha (ERalpha) by nascent endometrial glands and stroma. To test the working hypothesis that estrogen and **uterine** ERalpha regulate **uterine** growth and endometrial gland morphogenesis in the neonatal ewe, ewes were **treated** daily from birth (PND 0) to

PND 55 with 1) saline and corn oil as a vehicle control (CX), 2) estradiol-17 beta (E2) valerate (EV), an ERalpha agonist, 3) EM-800, an ERalpha antagonist, or 4) CGS 20267, a nonsteroidal aromatase inhibitor. On PND 14, ewes were hemihysterectomized, and the ipsilateral oviduct and ovary were removed. The remaining **uterine** horn, oviduct, and ovary were removed on PND 56. **Treatment** with CGS 20267 decreased plasma E2 levels, whereas EM-800 had no effect compared with CX ewes. **Uterine** horn weight and length were not affected by EM-800 or CGS 20267 but were decreased in EV ewes on PND 56. On PND 14 and PND 56, **treatment** with EV decreased endometrial thickness but increased myometrial thickness. The numbers of ductal gland invaginations and endometrial glands were not affected by CGS but were lower in EM-800 ewes on PND 56. Exposure to EV completely inhibited endometrial gland development and induced luminal epithelial hypertrophy but did not alter **uterine** cell proliferation. Exposure to EV substantially decreased expression of ERalpha, insulin-like growth factor (IGF) I, and **IGF-II** in the endometrium. Results indicate that circulating E2 does not regulate endometrial gland differentiation or development. Although ERalpha does not regulate initial differentiation of the endometrial glandular epithelium, results indicate that ERalpha does regulate, in part, coiling and branching morphogenesis of endometrial glands in the neonatal ewe. Ablation of endometrial gland genesis by EV indicates that postnatal **uterine** development is extremely sensitive to the detrimental effects of inappropriate steroid exposure.

L15 ANSWER 7 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2003179127 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12697039
TITLE: Chronic pulsatile infusion of growth hormone to growth-restricted fetal sheep increases circulating fetal insulin-like growth factor-I levels but not fetal growth.
AUTHOR: Bauer M K; Breier B B; Bloomfield F H; Jensen E C; Gluckman P D; Harding J E
CORPORATE SOURCE: The Liggins Institute, Faculty of Medical and Health Science, University of Auckland, Private Bag 92019, New Zealand.
SOURCE: Journal of endocrinology, (2003 Apr) 177 (1) 83-92. Journal code: 0375363. ISSN: 0022-0795.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030417
Last Updated on STN: 20030625
Entered Medline: 20030624

AB Intra-**uterine** growth restriction (IUGR) is a major cause of perinatal mortality and morbidity. Postnatally, growth hormone (GH) increases growth, increases circulating insulin-like growth factor (IGF)-I levels, and alters metabolism. Our aim was to determine if GH infusion to IUGR fetal sheep would alter fetal growth and metabolism, and thus provide a potential intra-**uterine** **treatment** for the IUGR fetus. We studied three groups of fetuses: control, IUGR+ vehicle and IUGR+GH (n=5 all groups). IUGR was induced by repeated embolisation of the placental vascular bed between 110 and 116 days of gestation (term=145 days). GH (3.5 mg/kg/day) or vehicle was infused in a pulsatile manner from 117 to 127 days of gestation. Embolisation reduced fetal growth rate by 25% ($P<0.01$) and reduced the weight of the fetal liver (20%), kidney (23%) and thymus (31%; all $P<0.05$). GH **treatment** further reduced the weight of the fetal kidneys (32%) and small intestine (35%; both $P<0.04$), but restored the relative weight of the fetal thymus and liver ($P<0.05$). Embolisation decreased fetal plasma IGF-I concentrations (48%, $P<0.001$) and increased IGF binding protein 1 (IGFBP-1)

concentrations (737%, P<0.002). GH **treatment** restored fetal plasma IGF-I concentrations to control levels, while levels in IUGR+vehicle fetuses stayed low (P<0.05 vs control). IGFBP-1 and IGFBP-2 concentrations were about sevenfold lower in amniotic fluid than in fetal plasma, but amniotic and plasma concentrations were closely correlated (r=0.75, P<0.0001 and r=0.55 P<0.0001 respectively). Embolisation transiently decreased fetal blood oxygen content (40%, P<0.002), and increased blood lactate concentrations (213%, P<0.04). Both returned to pre-embolisation levels after embolisation stopped, but blood glucose concentrations declined steadily in IUGR+vehicle fetuses. GH **treatment** maintained fetal blood glucose concentrations at control levels. Our study shows that GH infusion to the IUGR fetal sheep restores fetal IGF-I levels but does not improve fetal growth, and further reduces the fetal kidney and intestine weights. Thus, fetal GH **therapy** does not seem a promising **treatment** stratagem for the IUGR fetus.

L15 ANSWER 8 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2003126507 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12604625
TITLE: Ovine placental lactogen specifically binds to endometrial glands of the ovine uterus.
AUTHOR: Noel Sekoni; Herman Asael; Johnson Greg A; Gray C Allison; Stewart M David; Bazer Fuller W; Gertler Arieh; Spencer Thomas E
CORPORATE SOURCE: Center for Animal Biotechnology and Genomics and Department of Animal Science, Texas A&M University, College Station, Texas 77843-2471, USA.
CONTRACT NUMBER: P30 ES09106 (NIEHS)
SOURCE: Biology of reproduction, (2003 Mar) 68 (3) 772-80. Journal code: 0207224. ISSN: 0006-3363.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030319
Last Updated on STN: 20031022
Entered Medline: 20031021

AB A hormonal servomechanism has been proposed to regulate differentiation and function of the endometrial glandular epithelium (GE) in the ovine uterus during **pregnancy**. This mechanism involves sequential actions of estrogen, progesterone, ovine interferon tau (IFNtau), placental lactogen (oPL), and placental growth hormone (oGH). The biological actions of oPL in vitro are mediated by homodimerization of the prolactin receptor (oPRLR) and heterodimerization of the oPRLR and oGH receptor. The objectives of the study were to determine the effects of intrauterine oPL, oGH, and their combination on endometrial histoarchitecture and gene expression and to localize and characterize binding sites for oPL in the ovine uterus in vivo using an in situ ligand binding assay. Intrauterine infusion of oPL and/or oGH following IFNtau into ovariectomized ewes **treated** with progesterone daily differentially affected endometrial gland number and expression of **uterine** milk proteins and osteopontin. However, neither hormone affected PRLR, insulin-like growth factor (IGF)-I, or IGF-II mRNA levels in the endometrium. A chimeric protein of placental secretory alkaline phosphatase (SEAP) and oPL was used to identify and characterize binding sites for oPL in frozen sections of interplacentomal endometrium from **pregnant** ewes. Specific binding of SEAP-oPL was detected in the endometrial GE on Days 30, 60, 90, and 120 of **pregnancy**. In Day 90 endometrium, SEAP-oPL binding to the endometrial GE was displaced completely by oPL and prolactin (oPRL) but only partially by oGH. Binding experiments using the extracellular domain of the oPRLR also showed that iodinated oPL binding sites could be

competed for by oPRL and oPL but not by oGH. Collectively, results indicate that oPL binds to receptors in the endometrial glands and that oPRL is more effective than oGH in competing for these binding sites. Thus, effects of oPL on the endometrial glands may be mediated by receptors for oPRL and oGH.

L15 ANSWER 9 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2003020560 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12527503
TITLE: Role of phorbol 12-myristate 13-acetate on cytokine expression in JAR trophoblast cell line.
AUTHOR: Zhang Xi-qian; Xing Fu-qi; Li Hong; Chen Si-mei; Pang Zhan-jun; Huang Min-zhen
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Nanfang Hospital, First Military Medical University, Guangzhou 510515, China.. cherd075@yahoo.com.cn
SOURCE: Di yi jun yi da xue xue bao = Academic journal of the First Medical College of PLA, (2003 Jan) 23 (1) 6-8. Journal code: 9426110. ISSN: 1000-2588.
PUB. COUNTRY: China
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Chinese
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 20030116
Last Updated on STN: 20030923
Entered Medline: 20030922

AB OBJECTIVE: To investigate whether phorbol 12-myristate 13-acetate (PMA) modifies the invasive ability of trophoblast cells by regulating their cytokine productions. METHODS: Reverse transcriptase-polymerase chain reaction was used to examine the effect of PMA on the expression of cytokines which regulated the invasive ability of trophoblast cells. RESULTS: Prior to PMA **treatment**, expressions of the cytokins including hepatocyte growth factor (HGF), interleukin (IL)-1beta, insulin-like growth factor (IGF)-II, transforming growth factor (TGF)- beta and vascular endothelial growth factor (VEGF) were all detected in JAR cells, only with the exception of IGF-I. After incubation with 100 nmol/L PMA for 24 h, the cells showed strong expression of IL-1beta, HGF and IGF-II, with reduced expression of TGF-beta2 and TGF-beta3. CONCLUSION: By regulating the autocrine of these cytokines, PMA exercises its effect to enhance the invasive ability of trophoblast or choriocarcinoma cells.

L15 ANSWER 10 OF 35 MEDLINE on STN
ACCESSION NUMBER: 2003006592 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12512599
TITLE: Effects of BST on oviductal and **uterine** genes encoding components of the IGF system in lactating dairy cows.
AUTHOR: Pershing R A; Lucy M C; Thatcher W W; Badinga L
CORPORATE SOURCE: Department of Animal Sciences University of Florida, Gainesville 32611, USA.
SOURCE: Journal of dairy science, (2002 Dec) 85 (12) 3260-7. Journal code: 2985126R. ISSN: 0022-0302.
PUB. COUNTRY: United States
DOCUMENT TYPE: (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200303
ENTRY DATE: Entered STN: 20030107
Last Updated on STN: 20030308
Entered Medline: 20030307

AB Lactating Holstein cows, averaging 80 d in milk, were used to examine effects of exogenous bovine somatotropin (bST) on oviductal and **uterine** genes encoding components of the insulin-like growth factor (IGF) system. About 12 h before expected ovulation in an Ovsynch protocol, cows were assigned randomly to receive bST (500 mg; n = 11) or serve as untreated controls (n = 10). Cows that ovulated (n = 9 bST, 8 control) were divided within **treatment** to be sacrificed on d 3 or 7 postovulation. Samples of oviductal and intercaruncular endometrial tissue from oviducts and **uterine** horns ipsilateral to the corpus luteum (CL) were collected and immediately frozen at -80 degrees C for subsequent mRNA analyses. Northern blots revealed mRNAs for **IGF** **-II**, IGF-binding protein-2 (IGFBP-2), and IGFBP-3 in all oviductal and endometrial tissues. Significant amounts of IGF-I and growth hormone receptor-1A (GHR-1A) mRNAs were detected in **uteri** but not in oviducts. The bST **treatment** had no effect on amount of IGF-I mRNA transcript in **uterine** endometrium. The mRNA encoding **IGF-II** was induced by bST in oviducts collected on both d 3 and 7 but was down-regulated in endometrium on d 7. Transcript of IGFBP-2 mRNA was greater in endometrial than oviductal tissues and did not differ between **treatments**. Both oviductal and endometrial IGFBP-3 mRNA concentrations increased between d 3 and 7 postovulation, with a tendency for greater endometrial IGFBP-3 mRNA in bST-**treated** cows on d 7. On d 7, concentrations of endometrial GHR-1A mRNA were 30% lower in bST-**treated** cows. Results indicate complex and tissue-specific regulation of the **uterine** IGF system components by exogenous bST. Some of those biological responses to bST may be important in early development of bovine **embryos**.

=> dis his

(FILE 'HOME' ENTERED AT 15:07:20 ON 26 OCT 2005)

FILE 'MEDLINE, EMBASE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 15:08:27 ON 26 OCT 2005

```
L1        24302 S (IGF-2 OR IGF-II OR INSULIN(W)LIKE(W)GROWTH(W)FACTOR(W)II)
L2       113372 S L1 OR (TGF-BETA OR TUMOR(W)GROWTH(W)FACTOR(W)BETA)
L3        34899 S L2 AND (TREAT? OR THERAP?)
L4        24773 S L1 OR (TGF-BETA(S)ANALOG? OR TUMOR(W)GROWTH(W)FACTOR(W)BETA(S
L5         5894 S L4 AND (TREAT? OR THERAP?)
L6          628 S L5 AND (EMBRYO OR PREGNAN?)
L7          327 DUP REM L6 (301 DUPLICATES REMOVED)
L8           11 S L6 AND CYTOTROPHOBLAST
L9        32022 S L1 OR (TGF-BETA(S)ANTIBOD? OR TUMOR(W)GROWTH(W)FACTOR(W)BETA(
L10        4008 S L9 AND (EMBRYO OR PREGNAN?)
L11         774 S L10 AND (TREAT? OR THERAP?)
L12          24 S L11 AND INFERTIL?
L13        1833 S L10 AND DIFFEREN?
L14         397 DUP REM L11 (377 DUPLICATES REMOVED)
L15          35 S L14 AND UTERI?
```

=> s (therapeutic(w)use or therap? or treat?) and (IGF-2 or IGF-II or insulin(w)like(w)growth(w)factor(w)II)

3 FILES SEARCHED...

```
L16        5699 (THERAPEUTIC(W) USE OR THERAP? OR TREAT?) AND (IGF-2 OR IGF-II
                OR INSULIN(W) LIKE(W) GROWTH(W) FACTOR(W) II)
```

=> s l16 or (therapeutic(w)use or therap? or treat?) and (TGF-BETA(S)ANTIBOD? OR TUMOR(W)GROWTH(W)FACTOR(W)BETA)

3 FILES SEARCHED...

```
L17        8898 L16 OR (THERAPEUTIC(W) USE OR THERAP? OR TREAT?) AND (TGF-BETA(S
                ) ANTIBOD? OR TUMOR(W) GROWTH(W) FACTOR(W) BETA)
```

```
=> s l17 and (embryo? or pregnan?)
L18         995 L17 AND (EMBRYO? OR PREGNAN?)

=> s l18 and (therap? or treat?)
L19         995 L18 AND (THERAP? OR TREAT?)

=> s l19 and in(w)vitro
L20          70 L19 AND IN(W) VITRO

=> dup rem
ENTER L# LIST OR (END):l20
PROCESSING COMPLETED FOR L20
L21           66 DUP REM L20 (4 DUPLICATES REMOVED)

=> dis ti ibib l21 1-10

L21  ANSWER 1 OF 66  EMBASE  COPYRIGHT (c) 2005 Elsevier B.V. All rights
     reserved on STN
TI   Insulin-like growth factor-binding protein-1 (IGFBP-1) mediates
     hypoxia-induced embryonic growth and developmental retardation.
ACCESSION NUMBER:   2005055651  EMBASE
TITLE:              Insulin-like growth factor-binding protein-1 (IGFBP-1)
                    mediates hypoxia-induced embryonic growth and
                    developmental retardation.
AUTHOR:             Kajimura S.; Aida K.; Duan C.
CORPORATE SOURCE:   C. Duan, Dept. Molec., Cell.,/Devmtl. Biol., University of
                    Michigan, Ann Arbor, MI 48109, United States.
                    cduan@umich.edu
SOURCE:             Proceedings of the National Academy of Sciences of the
                    United States of America, (25 Jan 2005) Vol. 102, No. 4,
                    pp. 1240-1245.
                    Refs: 47
                    ISSN: 0027-8424  CODEN: PNASA6
COUNTRY:            United States
DOCUMENT TYPE:      Journal; Article
FILE SEGMENT:       021     Developmental Biology and Teratology
LANGUAGE:           English
SUMMARY LANGUAGE:   English
ENTRY DATE:         Entered STN: 20050218
                    Last Updated on STN: 20050218

L21  ANSWER 2 OF 66  EMBASE  COPYRIGHT (c) 2005 Elsevier B.V. All rights
     reserved on STN
TI   Monitoring the activation state of the insulin-like growth factor-1
     receptor and its interaction with protein tyrosine phosphatase 1B using
     bioluminescence resonance energy transfer.
ACCESSION NUMBER:   2005387940  EMBASE
TITLE:              Monitoring the activation state of the insulin-like growth
                    factor-1 receptor and its interaction with protein tyrosine
                    phosphatase 1B using bioluminescence resonance energy
                    transfer.
AUTHOR:             Blanquart C.; Boute N.; Lacasa D.; Issad T.
CORPORATE SOURCE:   Dr. T. Issad, Department of Cell Biology, Institut Cochin,
                    22 Rue Mechain, 75014 Paris, France. issad@cochin.inserm.fr
SOURCE:             Molecular Pharmacology, (2005) Vol. 68, No. 3, pp. 885-894.
                    Refs: 41
                    ISSN: 0026-895X  CODEN: MOPMA3
                    URL: http://molpharm.aspetjournals.org/cgi/reprint/68/3/885
COUNTRY:            United States
DOCUMENT TYPE:      Journal; Article
FILE SEGMENT:       030     Pharmacology
                    037     Drug Literature Index
LANGUAGE:           English
SUMMARY LANGUAGE:   English
```

ENTRY DATE: Entered STN: 20050929
Last Updated on STN: 20050929

L21 ANSWER 3 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI HCG increases trophoblast migration in vitro via the insulin-like growth factor-II/mannose-6 phosphate receptor.
ACCESSION NUMBER: 2005215420 EMBASE
TITLE: HCG increases trophoblast migration in vitro via the insulin-like growth factor-II/mannose-6 phosphate receptor.
AUTHOR: Zygmunt M.; McKinnon T.; Herr F.; Lala P.K.; Han V.K.M.
CORPORATE SOURCE: M. Zygmunt, Department of Obstetrics and Gynecology, University Giessen, Klinikstr. 32, D-35385 Giessen, Canada. marek.t.zygmunt@gyn.med.uni-giessen.de
SOURCE: Molecular Human Reproduction, (2005) Vol. 11, No. 4, pp. 261-267.
Refs: 47
ISSN: 1360-9947 CODEN: MHREFD
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20050602
Last Updated on STN: 20050602

L21 ANSWER 4 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Effects of recombinant human follicle-stimulating hormone on embryo development in mice.
ACCESSION NUMBER: 2005183688 EMBASE
TITLE: Effects of recombinant human follicle-stimulating hormone on embryo development in mice.
AUTHOR: Edwards L.J.; Kind K.L.; Armstrong D.T.; Thompson J.G.
CORPORATE SOURCE: J.G. Thompson, Dept. of Obstetrics, Univ. of Adelaide, Queen Elizabeth Hospital, Woodville, SA 5011, Australia. jeremy.thompson@adelaide.edu.au
SOURCE: American Journal of Physiology - Endocrinology and Metabolism, (2005) Vol. 288, No. 5 51-5, pp. E845-E851.
Refs: 35
ISSN: 0193-1849 CODEN: AJPMD
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 002 Physiology
003 Endocrinology
021 Developmental Biology and Teratology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20050512
Last Updated on STN: 20050512

L21 ANSWER 5 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI TGF-β and HGF transmit the signals through JNK-dependent Smad2/3 phosphorylation at the linker regions.
ACCESSION NUMBER: 2004445833 EMBASE
TITLE: TGF-β and HGF transmit the signals through JNK-dependent Smad2/3 phosphorylation at the linker

regions.
AUTHOR: Mori S.; Matsuzaki K.; Yoshida K.; Furukawa F.; Tahashi Y.; Yamagata H.; Sekimoto G.; Seki T.; Matsui H.; Nishizawa M.; Fujisawa J.-I.; Okazaki K.
CORPORATE SOURCE: K. Matsuzaki, Third Dept. of Internal Medicine, Kansai Medical University, 10-15 Fumizonocho, Moriguchi, Osaka 570-8507, Japan. matsuzak@takii.kmu.ac.jp
SOURCE: Oncogene, (23 Sep 2004) Vol. 23, No. 44, pp. 7416-7429.
Refs: 37
ISSN: 0950-9232 CODEN: ONCNES
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 016 Cancer
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20041104
Last Updated on STN: 20041104

L21 ANSWER 6 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Temporal divergence in the pattern of messenger RNA expression in bovine **embryos** cultured from the zygote to blastocyst stage **in vitro** or in vivo.
ACCESSION NUMBER: 2003389408 EMBASE
TITLE: Temporal divergence in the pattern of messenger RNA expression in bovine **embryos** cultured from the zygote to blastocyst stage **in vitro** or in vivo.
AUTHOR: Lonergan P.; Rizos D.; Gutierrez-Adan A.; Moreira P.M.; Pintado B.; De la Fuente J.; Boland M.P.
CORPORATE SOURCE: P. Lonergan, Dept. of Anim. Sci. and Production, University College Dublin, Lyons Research Farm, Newcastle, County Dublin 4, Ireland. pat.lonergan@ucd.ie
SOURCE: Biology of Reproduction, (1 Oct 2003) Vol. 69, No. 4, pp. 1424-1431.
Refs: 60
ISSN: 0006-3363 CODEN: BIREBV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 010 Obstetrics and Gynecology
021 Developmental Biology and Teratology
022 Human Genetics
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20031009
Last Updated on STN: 20031009

L21 ANSWER 7 OF 66 MEDLINE on STN
TI Isocaloric maternal low-protein diet alters IGF-I, IGFBPs, and hepatocyte proliferation in the fetal rat.
ACCESSION NUMBER: 2003472000 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12902319
TITLE: Isocaloric maternal low-protein diet alters IGF-I, IGFBPs, and hepatocyte proliferation in the fetal rat.
AUTHOR: El-Khattabi Ilham; Gregoire Francine; Remacle Claude; Reusens Brigitte
CORPORATE SOURCE: Laboratoire de Biologie Cellulaire, Universite Catholique de Louvain, B-1348 Louvain-la-Neuve, Belgium.
SOURCE: American journal of physiology. Endocrinology and metabolism, (2003 Nov) 285 (5) E991-E1000. Electronic Publication: 2003-08-05.
Journal code: 100901226. ISSN: 0193-1849.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20031010
Last Updated on STN: 20031219
Entered Medline: 20031120

L21 ANSWER 8 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Ovine placental lactogen specifically binds to endometrial glands of the ovine uterus.
ACCESSION NUMBER: 2003089353 EMBASE
TITLE: Ovine placental lactogen specifically binds to endometrial glands of the ovine uterus.
AUTHOR: Noel S.; Herman A.; Johnson G.A.; Gray C.A.; Stewart M.D.; Bazer F.W.; Gertler A.; Spencer T.E.
CORPORATE SOURCE: T.E. Spencer, Ctr. for Anim. Biotech. and Genomics, 442 Kleberg Center, Texas A and M University, College Station, TX 77843-2471, United States. tspencer@tamu.edu
SOURCE: Biology of Reproduction, (1 Mar 2003) Vol. 68, No. 3, pp. 772-780.
Refs: 56
ISSN: 0006-3363 CODEN: BIREBV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20030313
Last Updated on STN: 20030313

L21 ANSWER 9 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Local insulin-like growth factor-II mediates prolactin-induced mammary gland development.
ACCESSION NUMBER: 2003114659 EMBASE
TITLE: Local insulin-like growth factor-II mediates prolactin-induced mammary gland development.
AUTHOR: Hovey R.C.; Harris J.; Hadsell D.L.; Lee A.V.; Ormandy C.J.; Vonderhaar B.K.
CORPORATE SOURCE: R.C. Hovey, Lactation/Mammary Gland Biol. Group, Department of Animal Science, University of Vermont, Burlington, VT 05405, United States. rhovey@zoo.uvm.edu
SOURCE: Molecular Endocrinology, (1 Mar 2003) Vol. 17, No. 3, pp. 460-471.
Refs: 49
ISSN: 0888-8809 CODEN: MOENEN
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20030403
Last Updated on STN: 20030403

L21 ANSWER 10 OF 66 MEDLINE on STN DUPLICATE 1
TI Actions of GnRH antagonists on IGF-II, IGF-binding protein-2 and pregnancy-associated plasma protein-A in human granulosa-lutein cells.

ACCESSION NUMBER: 2003296301 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12824863
TITLE: Actions of GnRH antagonists on IGF-II, IGF-binding protein-2 and pregnancy-associated plasma protein-A in human granulosa-lutein cells.
AUTHOR: Weiss J M; Krautmacher B; Polack S; Diedrich K; Ortmann O
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Medical University Lubeck, 23538 Lubeck, Germany.. jmweiss1@hotmail.com
SOURCE: European journal of endocrinology / European Federation of Endocrine Societies, (2003 Jul) 149 (1) 31-7. Journal code: 9423848. ISSN: 0804-4643.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200308
ENTRY DATE: Entered STN: 20030626
Last Updated on STN: 20030815
Entered Medline: 20030814

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	197.61	198.03

FILE 'STNGUIDE' ENTERED AT 15:38:13 ON 26 OCT 2005

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Oct 21, 2005 (20051021/UP).

=> dis ti ibib l21 11-20
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, EMBASE' - CONTINUE? (Y)/N:y

L21 ANSWER 11 OF 66 EMBASE
TI Isocaloric maternal low-protein diet alters IGF-I, IGFBPs, and hepatocyte proliferation in the fetal rat.
ACCESSION NUMBER: 2003425981 EMBASE
TITLE: Isocaloric maternal low-protein diet alters IGF-I, IGFBPs, and hepatocyte proliferation in the fetal rat.
AUTHOR: El Khattabi I.; Gregoire F.; Remacle C.; Reusens B.
CORPORATE SOURCE: B. Reusens, Univ. Catholique de Louvain, Lab. de Biologie Cellulaire (BANI), 5 Place Croix-du-Sud, B-1348 Louvain-La-Neuve, Belgium. reusens@bani.ucl.ac.be
SOURCE: American Journal of Physiology - Endocrinology and Metabolism, (2003) Vol. 285, No. 5 48-5, pp. E991-E1000. Refs: 57
ISSN: 0193-1849 CODEN: AJPMD
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20031106
Last Updated on STN: 20031106

L21 ANSWER 12 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN

TI Human chorionic gonadotropin-induced ovarian hyperstimulation syndrome is associated with up-regulation of vascular endothelial growth factor.

ACCESSION NUMBER: 2002271130 EMBASE

TITLE: Human chorionic gonadotropin-induced ovarian hyperstimulation syndrome is associated with up-regulation of vascular endothelial growth factor.

AUTHOR: Wang T.-H.; Horng S.-G.; Chang C.-L.; Wu H.-M.; Tsai Y.-J.; Wang H.-S.; Soong Y.-K.

CORPORATE SOURCE: Dr. H.-S. Wang, Department of Obstetrics, Chang-Gung Memorial Hospital, Lin-Kou Medical Center, 5 Fu-Hsing Street, Kwei-Shan, Tao-Yuan 333, Taiwan,Province of China. hswang86@ms17.hinet.net

SOURCE: Journal of Clinical Endocrinology and Metabolism, (2002) Vol. 87, No. 7, pp. 3300-3308.
Refs: 36
ISSN: 0021-972X CODEN: JCEMAZ

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 003 Endocrinology
005 General Pathology and Pathological Anatomy
010 Obstetrics and Gynecology

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 20020829
Last Updated on STN: 20020829

L21 ANSWER 13 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN

TI Insulin-like growth factor (IGF)-II inhibition of endometrial stromal cell tissue inhibitor of metalloproteinase-3 and IGF-binding protein-1 suggests paracrine interactions at the decidua:trophoblast interface during human implantation.

ACCESSION NUMBER: 2001189111 EMBASE

TITLE: Insulin-like growth factor (IGF)-II inhibition of endometrial stromal cell tissue inhibitor of metalloproteinase-3 and IGF-binding protein-1 suggests paracrine interactions at the decidua:trophoblast interface during human implantation.

AUTHOR: Irwin J.C.; Suen L.-F.; Faessen G.H.; Popovici R.M.; Giudice L.C.

CORPORATE SOURCE: Dr. L.C. Giudice, Department of Gynecology, East Pavilion HH 333, Stanford Medical Center, Stanford, CA 94305-5317, United States. iudice@stanford.edu

SOURCE: Journal of Clinical Endocrinology and Metabolism, (2001) Vol. 86, No. 5, pp. 2060-2064.
Refs: 18
ISSN: 0021-972X CODEN: JCEMAZ

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 003 Endocrinology
021 Developmental Biology and Teratology

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 20010614
Last Updated on STN: 20010614

L21 ANSWER 14 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN

TI Pregnancy-associated plasma protein-A accounts for the insulin-like growth factor (IGF)-binding protein-4 (IGFBP-4) proteolytic activity in human pregnancy serum and enhances the mitogenic activity of IGF by degrading IGFBP-4 in vitro.

ACCESSION NUMBER: 2001098526 EMBASE
TITLE: **Pregnancy**-associated plasma protein-A accounts for the insulin-like growth factor (IGF)-binding protein-4 (IGFBP-4) proteolytic activity in human **pregnancy** serum and enhances the mitogenic activity of IGF by degrading IGFBP-4 **in vitro**.
AUTHOR: Byun D.; Mohan S.; Yoo M.; Sexton C.; Baylink D.J.; Qin X.
CORPORATE SOURCE: Dr. X. Qin, Musculoskeletal Disease Center, J.L. Pettis Vet. Affairs Med. Ctr., 11201 Benton Street, Loma Linda, CA 92357, United States. xuezhong.qin@med.va.gov
SOURCE: Journal of Clinical Endocrinology and Metabolism, (2001) Vol. 86, No. 2, pp. 847-854.
Refs: 38
ISSN: 0021-972X CODEN: JCEMAZ
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20010419
Last Updated on STN: 20010419

L21 ANSWER 15 OF 66 EMBASE
TI Metformin **treatment** of patients with polycystic ovary syndrome undergoing **in vitro** fertilization improves outcomes and is associated with modulation of the insulin-like growth factors.
ACCESSION NUMBER: 2001080522 EMBASE
TITLE: Metformin **treatment** of patients with polycystic ovary syndrome undergoing **in vitro** fertilization improves outcomes and is associated with modulation of the insulin-like growth factors.
AUTHOR: Stadtmauer L.A.; Toma S.K.; Riehl R.M.; Talbert L.M.
CORPORATE SOURCE: Dr. L.A. Stadtmauer, North Carolina Center, Reproductive Medicine, 400 Ashville Avenue, Cary, NC 27511, United States. drls78@aol.com
SOURCE: Fertility and Sterility, (2001) Vol. 75, No. 3, pp. 505-509.
Refs: 21
ISSN: 0015-0282 CODEN: FESTAS
PUBLISHER IDENT.: S 0015-0282(00)01766-0
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 010 Obstetrics and Gynecology
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20010316
Last Updated on STN: 20010316

L21 ANSWER 16 OF 66 MEDLINE on STN
TI Markers of type I and type III collagen turnover, insulin-like growth factors, and their binding proteins in cord plasma of small premature infants: relationships with fetal growth, gestational age, preeclampsia, and antenatal glucocorticoid **treatment**.
ACCESSION NUMBER: 2001166471 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11264430
TITLE: Markers of type I and type III collagen turnover, insulin-like growth factors, and their binding proteins in cord plasma of small premature infants: relationships with fetal growth, gestational age, preeclampsia, and antenatal glucocorticoid **treatment**.

AUTHOR: Kajantie E; Hytinantti T; Koistinen R; Risteli J; Rutanen E M; Seppala M; Andersson S
CORPORATE SOURCE: The Hospital for Children and Adolescents, Helsinki University Central Hospital, PL 280, FI-00029 HYKS, Helsinki, Finland.. eero.kajantie@hus.fi
SOURCE: Pediatric research, (2001 Apr) 49 (4) 481-9.
Journal code: 0100714. ISSN: 0031-3998.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200106
ENTRY DATE: Entered STN: 20010618
Last Updated on STN: 20010618
Entered Medline: 20010614

L21 ANSWER 17 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Effects of fibroblast growth factor 2 and **insulin-like growth factor II** on the development of parthenogenetic mouse **embryos in vitro**.
ACCESSION NUMBER: 2001331392 EMBASE
TITLE: Effects of fibroblast growth factor 2 and **insulin -like growth factor II** on the development of parthenogenetic mouse **embryos in vitro**.
AUTHOR: Penkov L.I.; Platonov E.S.; New D.A.T.
CORPORATE SOURCE: E.S. Platonov, N.I. Vavilov Inst. of Gen. Genetics, 3 Gubkin Street, 117809 GSP-1 Moscow B-333, Russian Federation. platonov@vigg.ru
SOURCE: In Vitro Cellular and Developmental Biology - Animal, (2001) Vol. 37, No. 7, pp. 440-444.
Refs: 60
ISSN: 1071-2690 CODEN: ICDBEO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20011004
Last Updated on STN: 20011004

L21 ANSWER 18 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI TGFβ2 activation status during cardiac morphogenesis.
ACCESSION NUMBER: 2001300956 EMBASE
TITLE: TGFβ2 activation status during cardiac morphogenesis.
AUTHOR: McCormick K.M.
CORPORATE SOURCE: Dr. K.M. McCormick, Department of Physical Therapy, Exercise and Nutrition Sciences, SUNY, 3435 Main Street, Buffalo, NY 14214, United States. kmccorm@buffalo.edu
SOURCE: Developmental Dynamics, (2001) Vol. 222, No. 1, pp. 17-25.
Refs: 34
ISSN: 1058-8388 CODEN: DEDYEI
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20010913
Last Updated on STN: 20010913

L21 ANSWER 19 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights

reserved on STN
TI Increased IGF-II protein affects p57(kip2) expression in vivo and in vitro: Implications for Beckwith-Wiedemann syndrome.
ACCESSION NUMBER: 2000180790 EMBASE
TITLE: Increased IGF-II protein affects p57(kip2) expression in vivo and in vitro : Implications for Beckwith-Wiedemann syndrome.
AUTHOR: Grandjean V.; Smith J.; Schofield P.N.; Ferguson-Smith A.C.
CORPORATE SOURCE: A.C. Ferguson-Smith, University of Cambridge, Department of Anatomy, Downing Street, CB2 3DY Cambridge, United Kingdom. afsmith@mole.bio.cam.ac.uk
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (9 May 2000) Vol. 97, No. 10, pp. 5279-5284.
Refs: 48
ISSN: 0027-8424 CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 022 Human Genetics
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20000608
Last Updated on STN: 20000608

L21 ANSWER 20 OF 66 MEDLINE on STN DUPLICATE 2
TI The latent transforming growth factor-beta-binding protein-1 promotes in vitro differentiation of embryonic stem cells into endothelium.
ACCESSION NUMBER: 2001105263 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11102524
TITLE: The latent transforming growth factor-beta-binding protein-1 promotes in vitro differentiation of embryonic stem cells into endothelium.
AUTHOR: Gualandris A; Annes J P; Arese M; Noguera I; Jurukovski V; Rifkin D B
CORPORATE SOURCE: Department of Cell Biology, New York University School of Medicine, New York, New York 10016-6497, USA.
SOURCE: Molecular biology of the cell, (2000 Dec) 11 (12) 4295-308.
Journal code: 9201390. ISSN: 1059-1524.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200102
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010208

=> dis ti ibib l21 21-30
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, EMBASE' - CONTINUE? (Y)/N:y

L21 ANSWER 21 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Transforming growth factor but not and is critical for early rat lung branching.
ACCESSION NUMBER: 2000124041 EMBASE
TITLE: Transforming growth factor but not and is critical for early rat lung branching.
AUTHOR: Liu J.; Tseu I.; Wang J.; Tanswell K.; Post M.
CORPORATE SOURCE: Dr. M. Post, Lung Biology Program, Hospital for Sick Children, 555 University Avenue, Toronto, Ont. MSG 1X8,

Canada. mppm@sickkids.on.ca
SOURCE: Developmental Dynamics, (2000) Vol. 217, No. 4, pp. 343-360.
Refs: 76
ISSN: 1058-8388 CODEN: DEDYEI
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20000421
Last Updated on STN: 20000421

L21 ANSWER 22 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI IGFs, insulin, Shh, bFGF, and TGF-β1 interact synergistically to promote somite myogenesis in vitro.
ACCESSION NUMBER: 2000305665 EMBASE
TITLE: IGFs, insulin, Shh, bFGF, and TGF-β1 interact synergistically to promote somite myogenesis in vitro.
AUTHOR: Pirskanen A.; Kiefer J.C.; Hauschka S.D.
CORPORATE SOURCE: S.D. Hauschka, Department of Biochemistry, University of Washington, Box 357350, Seattle, WA 98195, United States. haus@u.washington.edu
SOURCE: Developmental Biology, (15 Aug 2000) Vol. 224, No. 2, pp. 189-203.
Refs: 76
ISSN: 0012-1606 CODEN: DEBIAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20000914
Last Updated on STN: 20000914

L21 ANSWER 23 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Insulin-like growth factors and insulin-like growth factor binding proteins in the endometrium. Effect of intrauterine levonorgestrel delivery.
ACCESSION NUMBER: 2000337408 EMBASE
TITLE: Insulin-like growth factors and insulin-like growth factor binding proteins in the endometrium. Effect of intrauterine levonorgestrel delivery.
AUTHOR: Rutanen E.-M.
CORPORATE SOURCE: E.-M. Rutanen, Dept. of Obstetrics and Gynecology, Helsinki University, Central Hospital, 00029 HUCH, Finland. eeva-marja.rutanen@huch.fi
SOURCE: Human Reproduction, (2000) Vol. 15, No. SUPPL. 3, pp. 173-181.
Refs: 50
ISSN: 0268-1161 CODEN: HUREEE
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 010 Obstetrics and Gynecology
003 Endocrinology
030 Pharmacology
037 Drug Literature Index
029 Clinical Biochemistry
027 Biophysics, Bioengineering and Medical

Instrumentation
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20001013
Last Updated on STN: 20001013

L21 ANSWER 24 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Complex mediation of uterine endometrial epithelial cell growth by **insulin-like growth factor-II (IGF-II)** and IGF-binding protein-2.
ACCESSION NUMBER: 2000038637 EMBASE
TITLE: Complex mediation of uterine endometrial epithelial cell growth by **insulin-like growth factor-II (IGF-II)** and IGF-binding protein-2.
AUTHOR: Badinga L.; Song S.; Simmen R.C.M.; Clarke J.B.; Clemmons D.R.; Simmen F.A.
CORPORATE SOURCE: F.A. Simmen, Dept. of Dairy and Poultry Sciences, University of Florida, PO Box 110920, Gainesville, FL 32611-0920, United States. simmen@dps.ufl.edu
SOURCE: Journal of Molecular Endocrinology, (1999) Vol. 23, No. 3, pp. 277-285.
Refs: 38
ISSN: 0952-5041 CODEN: JMLEEI
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20000203
Last Updated on STN: 20000203

L21 ANSWER 25 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Transforming growth factor-β stimulates mouse blastocyst outgrowth through a mechanism involving parathyroid hormone-related protein.
ACCESSION NUMBER: 1999017374 EMBASE
TITLE: Transforming growth factor-β stimulates mouse blastocyst outgrowth through a mechanism involving parathyroid hormone-related protein.
AUTHOR: Nowak R.A.; Haimovici F.; Biggers J.D.; Erbach G.T.
CORPORATE SOURCE: R.A. Nowak, Brigham and Women's Hospital, 221 Longwood Ave., Boston, MA 02115, United States
SOURCE: Biology of Reproduction, (1999) Vol. 60, No. 1, pp. 85-93.
Refs: 50
ISSN: 0006-3363 CODEN: BIREBV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 010 Obstetrics and Gynecology
021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19990204
Last Updated on STN: 19990204

L21 ANSWER 26 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Inhibition of ethanol neurotoxicity by **treatment** with growth factors and estrogen.
ACCESSION NUMBER: 1999420279 EMBASE
TITLE: Inhibition of ethanol neurotoxicity by **treatment**

with growth factors and estrogen.
AUTHOR: Zell J.A.; Montague J.R.; Lopez T.F.; Mudd L.M.
CORPORATE SOURCE: L.M. Mudd, Sch. of Natural and Health Sciences, Barry University, 11300 N.E. 2nd Avenue, Miami Shores, FL 33161, United States. lmudd@mail.barry, edu
SOURCE: McGill Journal of Medicine, (1999) Vol. 5, No. 1, pp. 13-24.
Refs: 91
ISSN: 1201-026X CODEN: MJMEF2
COUNTRY: Canada
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 008 Neurology and Neurosurgery
052 Toxicology
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19991216
Last Updated on STN: 19991216

L21 ANSWER 27 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Cytokine-mediated regulation of 92-kilodalton type IV collagenase, tissue inhibitor of metalloproteinase-1 (TIMP-1), and TIMP-3 messenger ribonucleic acid expression in human endometrial stromal cells.
ACCESSION NUMBER: 1998371176 EMBASE
TITLE: Cytokine-mediated regulation of 92-kilodalton type IV collagenase, tissue inhibitor of metalloproteinase-1 (TIMP-1), and TIMP-3 messenger ribonucleic acid expression in human endometrial stromal cells.
AUTHOR: Huang H.-Y.; Wen Y.; Irwin J.C.; Kruessel J.S.; Soong Y.-K.; Polan M.L.
CORPORATE SOURCE: Dr. H.-Y. Huang, Department of Gynecology/Obstetrics, Stanford University Medical Center, School of Medicine, Stanford, CA 94305, United States
SOURCE: Journal of Clinical Endocrinology and Metabolism, (1998) Vol. 83, No. 5, pp. 1721-1729.
Refs: 71
ISSN: 0021-972X CODEN: JCEMAZ
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19981210
Last Updated on STN: 19981210

L21 ANSWER 28 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Follicular fluid insulin-like growth factor-I and insulin-like growth factor-binding protein-1 and -3 vary as a function of ovarian reserve and ovarian stimulation.
ACCESSION NUMBER: 1998422531 EMBASE
TITLE: Follicular fluid insulin-like growth factor-I and insulin-like growth factor-binding protein-1 and -3 vary as a function of ovarian reserve and ovarian stimulation.
AUTHOR: Stadtmauer L.; Vidali A.; Lindheim S.R.; Sauer M.V.
CORPORATE SOURCE: L. Stadtmauer, North Carolina Ctr. for Reprod. Med., 400-200 Ashville Avenue, Cary, NC 27511, United States
SOURCE: Journal of Assisted Reproduction and Genetics, (1998) Vol. 15, No. 10, pp. 587-593.
Refs: 31
ISSN: 1058-0468 CODEN: JARGE4
COUNTRY: United States

DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
010 Obstetrics and Gynecology
029 Clinical Biochemistry
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19990128
Last Updated on STN: 19990128

L21 ANSWER 29 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Mechanisms of insulin-like growth factor regulation of programmed cell death of developing avian motoneurons.
ACCESSION NUMBER: 1998291274 EMBASE
TITLE: Mechanisms of insulin-like growth factor regulation of programmed cell death of developing avian motoneurons.
AUTHOR: D'Costa A.P.; Prevette D.M.; Houenou H.J.; Wang S.; Zackenfels K.; Rohrer H.; Zapf J.; Caroni P.; Oppenheim R.W.
CORPORATE SOURCE: Dr. R.W. Oppenheim, Department of Neurobiology/Anatomy, Bowman Gray School of Medicine, Medical Center Blvd., Winston-Salem, NC 27157-1010, United States
SOURCE: Journal of Neurobiology, (5 Sep 1998) Vol. 36, No. 3, pp. 379-394.
Refs: 89
ISSN: 0022-3034 CODEN: JNEUBZ
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19981001
Last Updated on STN: 19981001

L21 ANSWER 30 OF 66 MEDLINE on STN DUPLICATE 3
TI Regulatory effects of trophic factors on expression and distribution of CGRP and GAP-43 in rat motoneurons.
ACCESSION NUMBER: 1998112683 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9452304
TITLE: Regulatory effects of trophic factors on expression and distribution of CGRP and GAP-43 in rat motoneurons.
AUTHOR: Piehl F; Hammarberg H; Hokfelt T; Cullheim S
CORPORATE SOURCE: Department of Neuroscience, Karolinska Institute, Stockholm, Sweden.. frederik.piehl@neuro.ki.se
SOURCE: Journal of neuroscience research, (1998 Jan 1) 51 (1) 1-14.
Journal code: 7600111. ISSN: 0360-4012.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199803
ENTRY DATE: Entered STN: 19980319
Last Updated on STN: 20000303
Entered Medline: 19980310

=> dis ti ibib l21 31-40
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, EMBASE' - CONTINUE? (Y)/N:y

L21 ANSWER 31 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN

TI Decidua-associated suppressor cells in abortion-prone DBA/2-mated CBA/J mice that release bioactive transforming growth factor β2-related immunosuppressive molecules express a bone marrow-derived natural suppressor cell marker and γδ T-cell receptor.

ACCESSION NUMBER: 97129879 EMBASE
DOCUMENT NUMBER: 1997129879
TITLE: Decidua-associated suppressor cells in abortion-prone DBA/2-mated CBA/J mice that release bioactive transforming growth factor β2-related immunosuppressive molecules express a bone marrow-derived natural suppressor cell marker and γδ T-cell receptor.
AUTHOR: Clark D.A.; Merali F.S.; Hoskin D.W.; Steel-Norwood D.; Arck P.C.; Croitoru K.; Murgita R.A.; Hirte H.
CORPORATE SOURCE: D.A. Clark, Department of Medicine, McMaster University, 1200 Main St. West, Hamilton, Ont. L8N 3Z5, Canada. clarkd@fhs.csu.mcmaster.ca
SOURCE: Biology of Reproduction, (1997) Vol. 56, No. 5, pp. 1351-1360.
Refs: 51
ISSN: 0006-3363 CODEN: BIREBV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 010 Obstetrics and Gynecology
026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 970527
Last Updated on STN: 970527

L21 ANSWER 32 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN

TI Do changes in growth hormone levels correlate with IGF-I levels in patients undergoing IVF-ET?.

ACCESSION NUMBER: 97248077 EMBASE
DOCUMENT NUMBER: 1997248077
TITLE: Do changes in growth hormone levels correlate with IGF-I levels in patients undergoing IVF-ET?.
AUTHOR: Yohay D.; Lunenfeld E.; Giat Y.; Levy J.; Sharoni Y.; Potashnik G.; Glezerman M.
CORPORATE SOURCE: Dr. D. Yohay, Department of Obstetrics Gynecology, Soroka University Medical Center, POB 151, Beer Sheva, 84 101, Israel
SOURCE: Gynecological Endocrinology, (1997) Vol. 11, No. 4, pp. 269-274.
Refs: 17
ISSN: 0951-3590 CODEN: GYENER
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 970904
Last Updated on STN: 970904

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TI Do changes in growth hormone levels correlate with IGF-I levels in patients undergoing IVF-ET?.

ACCESSION NUMBER: 97272092 EMBASE
DOCUMENT NUMBER: 1997272092
TITLE: Do changes in growth hormone levels correlate with IGF-I levels in patients undergoing IVF-ET?.
AUTHOR: Yohay D.; Lunenfeld E.; Giat Y.; Levy J.; Sharoni Y.; Potashnik G.; Glezerman M.
CORPORATE SOURCE: Dr. D. Yohay, Department of Obstetrics Gynecology, Soroka University Medical Center, POB 151, Beer Sheva 84 101, Israel
SOURCE: Gynaecological Endoscopy, (1997) Vol. 6, No. 4, pp. 269-274.
Refs: 17
ISSN: 0962-1091 CODEN: GYNEEB
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 970925
Last Updated on STN: 970925

L21 ANSWER 34 OF 66 EMBASE
TI Evidence for the requirement of autocrine growth factors for development of mouse preimplantation **embryos in vitro**.
ACCESSION NUMBER: 97017843 EMBASE
DOCUMENT NUMBER: 1997017843
TITLE: Evidence for the requirement of autocrine growth factors for development of mouse preimplantation **embryos in vitro**.
AUTHOR: O'Neill C.
CORPORATE SOURCE: C. O'Neill, Human Reproduction Unit, Royal North Shore Hospital of Sydney, St. Leonards, NSW 2065, Australia. chriso@med.su.oz.au
SOURCE: Biology of Reproduction, (1997) Vol. 56, No. 1, pp. 229-237.
Refs: 41
ISSN: 0006-3363 CODEN: BIREBV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
021 Developmental Biology and Teratology
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 970214
Last Updated on STN: 970214

L21 ANSWER 35 OF 66 EMBASE
TI Fetuin/α2-HS glycoprotein is a transforming growth factor-β type II receptor mimic and cytokine antagonist.
ACCESSION NUMBER: 96179592 EMBASE
DOCUMENT NUMBER: 1996179592
TITLE: Fetuin/α2-HS glycoprotein is a transforming growth factor-β type II receptor mimic and cytokine antagonist.
AUTHOR: Demetriou M.; Binkert C.; Sukhu B.; Tenenbaum H.C.; Dennis J.W.
CORPORATE SOURCE: Samuel Lunenfeld Research Institute, Mr. Sinai Hospital, 600 University Avenue,Toronto, Ont. M5G 1X5, Canada
SOURCE: Journal of Biological Chemistry, (1996) Vol. 271, No. 22, pp. 12755-12761.

ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 960708
Last Updated on STN: 960708

L21 ANSWER 36 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI The expression and characterization of human recombinant proinsulin-like growth factor II and a mutant that is defective in the O-glycosylation of its E domain.
ACCESSION NUMBER: 96196647 EMBASE
DOCUMENT NUMBER: 1996196647
TITLE: The expression and characterization of human recombinant proinsulin-like growth factor II and a mutant that is defective in the O-glycosylation of its E domain.
AUTHOR: Yang C.Q.; Zhan X.; Hu X.; Kondepudi A.; Perdue J.F.
CORPORATE SOURCE: Holland Laboratory, Department of Molecular Biology, American Red Cross, 15601 Crabbs Branch Way,Rockville, MD 20855, United States
SOURCE: Endocrinology, (1996) Vol. 137, No. 7, pp. 2766-2773.
ISSN: 0013-7227 CODEN: ENDOAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 960802
Last Updated on STN: 960802

L21 ANSWER 37 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Distinct modulatory actions of TGF-β and LIF on neurotrophin-mediated survival of developing sensory neurons.
ACCESSION NUMBER: 96263133 EMBASE
DOCUMENT NUMBER: 1996263133
TITLE: Distinct modulatory actions of TGF-β and LIF on neurotrophin-mediated survival of developing sensory neurons.
AUTHOR: Krieglstein K.; Unsicker K.
CORPORATE SOURCE: Dept. of Anatomy and Cell Biology, University of Heidelberg,D-69120 Heidelberg, Germany
SOURCE: Neurochemical Research, (1996) Vol. 21, No. 7, pp. 843-850.
ISSN: 0364-3190 CODEN: NEREDZ
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 002 Physiology
021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 960919
Last Updated on STN: 960919

L21 ANSWER 38 OF 66 MEDLINE on STN
TI The role of the insulin-like growth factors in the central nervous system.
ACCESSION NUMBER: 97143761 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8989772
TITLE: The role of the insulin-like growth factors in the central nervous system.
AUTHOR: D'Ercole A J; Ye P; Calikoglu A S; Gutierrez-Ospina G

CORPORATE SOURCE: Department of Pediatrics CB# 7220, University of North Carolina, Chapel Hill 27599-7220, USA.
CONTRACT NUMBER: HD08299 (NICHD)
T32 DK07129 (NIDDK)
SOURCE: Molecular neurobiology, (1996 Dec) 13 (3) 227-55. Ref: 190
Journal code: 8900963. ISSN: 0893-7648.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199704
ENTRY DATE: Entered STN: 19970414
Last Updated on STN: 19970414
Entered Medline: 19970402

L21 ANSWER 39 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Evidence for an important role of IGF-I and IGF-II for the early development of chick sympathetic neurons.
ACCESSION NUMBER: 95137303 EMBASE
DOCUMENT NUMBER: 1995137303
TITLE: Evidence for an important role of IGF-I and IGF-II for the early development of chick sympathetic neurons.
AUTHOR: Zackenfels K.; Oppenheim R.W.; Rohrer H.
CORPORATE SOURCE: Max-Planck-Inst. fur Hirnforschung, Abt. Neurochemie, Deutschordenstrasse 46,60528 Frankfurt/M., Germany
SOURCE: Neuron, (1995) Vol. 14, No. 4, pp. 731-741.
ISSN: 0896-6273 CODEN: NERNET
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 008 Neurology and Neurosurgery
021 Developmental Biology and Teratology
029 Clinical Biochemistry
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950523
Last Updated on STN: 950523

L21 ANSWER 40 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Mesenchymal cell chondrogenesis is stimulated by basement membrane matrix and inhibited by age-associated factors.
ACCESSION NUMBER: 95223409 EMBASE
DOCUMENT NUMBER: 1995223409
TITLE: Mesenchymal cell chondrogenesis is stimulated by basement membrane matrix and inhibited by age-associated factors.
AUTHOR: Bradham D.M.; Passaniti A.; Horton Jr. W.E.
CORPORATE SOURCE: NIH/NIA, Gerontology Research Center, 4940 Eastern Ave.,Baltimore, MD 21224, United States
SOURCE: Matrix Biology, (1995) Vol. 14, No. 7, pp. 561-571.
ISSN: 0945-053X CODEN: MTBOEC
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950809
Last Updated on STN: 950809

=> dis ti ibib l21 41-50
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, EMBASE' - CONTINUE? (Y)/N:Y

L21 ANSWER 41 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Transforming growth factor-β blocks myelination but not ensheathment of axons by Schwann cells **in vitro**.
ACCESSION NUMBER: 95027759 EMBASE
DOCUMENT NUMBER: 1995027759
TITLE: Transforming growth factor-β blocks myelination but not ensheathment of axons by Schwann cells **in vitro**.
AUTHOR: Guenard V.; Gwynn L.A.; Wood P.M.
CORPORATE SOURCE: Miami Project to Cure Paralysis, Miami University School of Medicine, 1600 NW 10th Avenue,Miami, FL 33136, United States
SOURCE: Journal of Neuroscience, (1995) Vol. 15, No. 1 I, pp. 419-428.
ISSN: 0270-6474 CODEN: JNRSDS
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 008 Neurology and Neurosurgery
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950209
Last Updated on STN: 950209

L21 ANSWER 42 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Inhibition of TGF-β3 (but not TGF-β1 or TGF-β2) activity prevents normal mouse **embryonic** palate fusion.
ACCESSION NUMBER: 95181068 EMBASE
DOCUMENT NUMBER: 1995181068
TITLE: Inhibition of TGF-β3 (but not TGF-β1 or TGF-β2) activity prevents normal mouse **embryonic** palate fusion.
AUTHOR: Brunet C.L.; Sharpe P.M.; Ferguson M.W.J.
CORPORATE SOURCE: Div. of Cells/Immunology/Development, School of Biological Sciences, University of Manchester, Oxford Road,Manchester M13 9PT, United Kingdom
SOURCE: International Journal of Developmental Biology, (1995) Vol. 39, No. 2, pp. 345-355.
ISSN: 0214-6282 CODEN: IJDBE5
COUNTRY: Spain
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 001 Anatomy, Anthropology, Embryology and Histology
021 Developmental Biology and Teratology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950718
Last Updated on STN: 950718

L21 ANSWER 43 OF 66 MEDLINE on STN
TI Amniotic fluid and plasma levels of parathyroid hormone-related protein and hormonal modulation of its secretion by amniotic fluid cells.
ACCESSION NUMBER: 96038739 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7581942
TITLE: Amniotic fluid and plasma levels of parathyroid hormone-related protein and hormonal modulation of its

secretion by amniotic fluid cells.
COMMENT: Comment in: Eur J Endocrinol. 1995 Sep;133(3):272-4. PubMed ID: 7581941
AUTHOR: Dvir R; Golander A; Jaccard N; Yedwab G; Otremski I; Spirer Z; Weisman Y
CORPORATE SOURCE: Bone Disease Unit, Tel-Aviv Sourasky Medical Center, Israel.
SOURCE: European journal of endocrinology / European Federation of Endocrine Societies, (1995 Sep) 133 (3) 277-82. Journal code: 9423848. ISSN: 0804-4643.
PUB. COUNTRY: Norway
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199511
ENTRY DATE: Entered STN: 19960124
Last Updated on STN: 20021217
Entered Medline: 19951130

L21 ANSWER 44 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Relationship between serum estradiol concentration and IGF-I, IGF -II and IGF-binding proteins in patients with premature ovarian failure on short- term estradiol **therapy**.
ACCESSION NUMBER: 95259180 EMBASE
DOCUMENT NUMBER: 1995259180
TITLE: Relationship between serum estradiol concentration and IGF-I, IGF-II and IGF-binding proteins in patients with premature ovarian failure on short- term estradiol **therapy**.
AUTHOR: Elias A.N.; Stone S.C.; Tayyanipour R.; Pandian M.R.; Rojas F.J.; Gwinup G.
CORPORATE SOURCE: Div. of Endocrinology and Metabolism, Department of Medicine, University of California, 101 City Drive South,Orange, CA 92668, United States
SOURCE: International Journal of Fertility and Menopausal Studies, (1995) Vol. 40, No. 4, pp. 196-201. ISSN: 1069-3130 CODEN: IFMEEV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950919
Last Updated on STN: 950919

L21 ANSWER 45 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Gene **therapy** of murine teratocarcinoma: Separate functions for insulin- like growth factors I and II in immunogenicity and differentiation.
ACCESSION NUMBER: 94196667 EMBASE
DOCUMENT NUMBER: 1994196667
TITLE: Gene **therapy** of murine teratocarcinoma: Separate functions for insulin- like growth factors I and II in immunogenicity and differentiation.
AUTHOR: Trojan J.; Johnson T.R.; Rudin S.D.; Blossey B.K.; Kelley K.M.; Shevelev A.; Abdul-Karim F.W.; Anthony D.D.; Tykocinski M.L.; Ilan J.; Ilan J.
CORPORATE SOURCE: Institute of Pathology, Case Western Reserve Univ. Med. Sch.,Cleveland, OH 44106-4943, United States
SOURCE: Proceedings of the National Academy of Sciences of the

United States of America, (1994) Vol. 91, No. 13, pp. 6088-6092.
ISSN: 0027-8424 CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 016 Cancer
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 940713
Last Updated on STN: 940713

L21 ANSWER 46 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Transforming growth factor-β stimulates endometrial stromal apoptosis **in vitro**.
ACCESSION NUMBER: 94087158 EMBASE
DOCUMENT NUMBER: 1994087158
TITLE: Transforming growth factor-β stimulates endometrial stromal apoptosis **in vitro**.
AUTHOR: Moulton B.C.
CORPORATE SOURCE: Department of Obstetrics/Gynecology, Cincinnati Univ. College of Medicine,Cincinnati, OH 45267-0526, United States
SOURCE: Endocrinology, (1994) Vol. 134, No. 3, pp. 1055-1060.
ISSN: 0013-7227 CODEN: ENDOAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 940414
Last Updated on STN: 940414

L21 ANSWER 47 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Differential response of **embryonic** and fetal myoblasts to TGFβ: A possible regulatory mechanism of skeletal muscle histogenesis.
ACCESSION NUMBER: 94122522 EMBASE
DOCUMENT NUMBER: 1994122522
TITLE: Differential response of **embryonic** and fetal myoblasts to TGFβ: A possible regulatory mechanism of skeletal muscle histogenesis.
AUTHOR: Cusella-De Angelis M.G.; Molinari S.; Le Donne A.; Coletta M.; Vivarelli E.; Bouche M.; Molinaro M.; Ferrari S.; Cossu G.
CORPORATE SOURCE: Institute Histology and Embryology, University of Rome 'La Sapienza', Via A Scarpa 14,00161 Rome, Italy
SOURCE: Development, (1994) Vol. 120, No. 4, pp. 925-933.
ISSN: 0950-1991 CODEN: DEVPED
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 940504
Last Updated on STN: 940504

L21 ANSWER 48 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI [Juvenille Wiedemann-Beckwith syndrome with severe maternal hypoglycemia, acute fatty liver of **pregnancy** and Sheehan's syndrome].

SYNDROME DE WIEDEMANN-BECKWITH INFANTILE, AVEC HYPOGLYCEMIE MATERNELLE SEVERE, STEATOSE HEPATIQUE AIGUE GRAVIDIQUE ET SYNDROME DE SHEEHAN.

ACCESSION NUMBER: 94094671 EMBASE
DOCUMENT NUMBER: 1994094671
TITLE: [Juvenille Wiedemann-Beckwith syndrome with severe maternal hypoglycemia, acute fatty liver of pregnancy and Sheehan's syndrome].
SYNDROME DE WIEDEMANN-BECKWITH INFANTILE, AVEC HYPOGLYCEMIE MATERNELLE SEVERE, STEATOSE HEPATIQUE AIGUE GRAVIDIQUE ET SYNDROME DE SHEEHAN.
AUTHOR: Vambergue A.; Vantyghem M.C.; Leclerc L.; Hober C.; Fourrier F.
CORPORATE SOURCE: CH Regional Universitaire, Service d'Endocrinologie/Metabolisme, USN A, 6 Rue du Professeur-Laguesse,59037 Lille Cedex, France
SOURCE: Revue Francaise d'Endocrinologie Clinique - Nutrition et Metabolisme, (1994) Vol. 35, No. 1, pp. 69-76.
ISSN: 0048-8062 CODEN: RECNAS
COUNTRY: France
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
006 Internal Medicine
010 Obstetrics and Gynecology
022 Human Genetics
LANGUAGE: French
SUMMARY LANGUAGE: French; English
ENTRY DATE: Entered STN: 940418
Last Updated on STN: 940418

L21 ANSWER 49 OF 66 EMBASE
TI Growth factors and decidualization in vitro.
ACCESSION NUMBER: 95030332 EMBASE
DOCUMENT NUMBER: 1995030332
TITLE: Growth factors and decidualization in vitro.
AUTHOR: Irwin J.C.; De Las Fuentes L.; Giudice L.C.
CORPORATE SOURCE: Dept of Gynecology and Obstetrics, Stanford University Medical Center,Stanford, CA 94305, United States
SOURCE: Annals of the New York Academy of Sciences, (1994) Vol. 734, pp. 7-18.
ISSN: 0077-8923 CODEN: ANYAA
COUNTRY: United States
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 010 Obstetrics and Gynecology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950215
Last Updated on STN: 950215

L21 ANSWER 50 OF 66 EMBASE
TI Trophoblasts protect the inner cell mass from macrophage destruction.
ACCESSION NUMBER: 93259698 EMBASE
DOCUMENT NUMBER: 1993259698
TITLE: Trophoblasts protect the inner cell mass from macrophage destruction.
AUTHOR: Sionov R.V.; Yagel S.; Har-Nir R.; Gallily R.
CORPORATE SOURCE: Lautenberg Gen./Tumor Immunol. Ctr., Hadassah Medical School, Hebrew University,Ein Kerem, Jerusalem, Israel
SOURCE: Biology of Reproduction, (1993) Vol. 49, No. 3, pp. 588-595.
ISSN: 0006-3363 CODEN: BIREBV

COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 931003
Last Updated on STN: 931003

=> dis ti ibib l21 51-60
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, EMBASE' - CONTINUE? (Y)/N:Y

L21 ANSWER 51 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Insulin-like growth factor I activates the invasion suppressor function of E-cadherin in MCF-7 human mammary carcinoma cells in vitro.
ACCESSION NUMBER: 93229440 EMBASE
DOCUMENT NUMBER: 1993229440
TITLE: Insulin-like growth factor I activates the invasion suppressor function of E-cadherin in MCF-7 human mammary carcinoma cells in vitro.
AUTHOR: Bracke M.E.; Vyncke B.M.; Bruyneel E.A.; Vermeulen S.J.; De Bruyne G.K.; Van Larebeke N.A.; Vleminckx K.; Van Roy F.M.; Mareel M.M.
CORPORATE SOURCE: Lab of Experimental Cancerology, Dept Radiotherapy Nuclear Medicine, University Hospital, De Pintelaan 185,B-9000 Gent, Belgium
SOURCE: British Journal of Cancer, (1993) Vol. 68, No. 2, pp. 282-289.
ISSN: 0007-0920 CODEN: BJCAAI
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 016 Cancer
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 930912
Last Updated on STN: 930912

L21 ANSWER 52 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Insulin-like growth factor regulation of human endometrial stromal cell function: Coordinate effects on insulin-like growth factor binding protein-1, cell proliferation and prolactin secretion.
ACCESSION NUMBER: 93309830 EMBASE
DOCUMENT NUMBER: 1993309830
TITLE: Insulin-like growth factor regulation of human endometrial stromal cell function: Coordinate effects on insulin-like growth factor binding protein-1, cell proliferation and prolactin secretion.
AUTHOR: Irwin J.C.; De Las Fuentes L.; Dsupin B.A.; Giudice L.C.
CORPORATE SOURCE: Stanford Medical Center,Stanford, CA 94305, United States
SOURCE: Regulatory Peptides, (1993) Vol. 48, No. 1-2, pp. 165-177.
ISSN: 0167-0115 CODEN: REPPDY
COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 931121
Last Updated on STN: 931121

L21 ANSWER 53 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Insulin and insulin-like growth factor I enhance regeneration in cultured adult rat sensory neurones.
ACCESSION NUMBER: 93104955 EMBASE
DOCUMENT NUMBER: 1993104955
TITLE: Insulin and insulin-like growth factor I enhance regeneration in cultured adult rat sensory neurones.
AUTHOR: Fernyhough P.; Willars G.B.; Lindsay R.M.; Tomlinson D.R.
CORPORATE SOURCE: Department of Pharmacology, Queen Mary and Westfield College, University of London,London E1 4NS, United Kingdom
SOURCE: Brain Research, (1993) Vol. 607, No. 1-2, pp. 117-124.
ISSN: 0006-8993 CODEN: BRREAP
COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
021 Developmental Biology and Teratology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 930516
Last Updated on STN: 930516

L21 ANSWER 54 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Wilms' tumor (WT1) gene expression in rat decidual differentiation.
ACCESSION NUMBER: 93363278 EMBASE
DOCUMENT NUMBER: 1993363278
TITLE: Wilms' tumor (WT1) gene expression in rat decidual differentiation.
AUTHOR: Zhou J.; Ranscher III F.J.; Bondy C.
CORPORATE SOURCE: NIH, BG 10,Bethesda, MD 20892, United States
SOURCE: Differentiation, (1993) Vol. 54, No. 2, pp. 109-114.
ISSN: 0301-4681 CODEN: DFFNAW
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 001 Anatomy, Anthropology, Embryology and Histology
021 Developmental Biology and Teratology
022 Human Genetics
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 940123
Last Updated on STN: 940123

L21 ANSWER 55 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI In vivo and in vitro effect of growth hormone on estradiol secretion by human granulosa cells.
ACCESSION NUMBER: 93206791 EMBASE
DOCUMENT NUMBER: 1993206791
TITLE: In vivo and in vitro effect of growth hormone on estradiol secretion by human granulosa cells.
AUTHOR: Barreca A.; Artini P.G.; Del Monte P.; Ponzani P.; Pasquini P.; Cariola G.; Volpe A.; Genazzani A.R.; Giordano G.; Minuto F.
CORPORATE SOURCE: University of Genova, Viale Benedetto XV no. 6,I-16132 Genova, Italy
SOURCE: Journal of Clinical Endocrinology and Metabolism, (1993) Vol. 77, No. 1, pp. 61-67.
ISSN: 0021-972X CODEN: JCEMAZ
COUNTRY: United States

DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 930815
Last Updated on STN: 930815

L21 ANSWER 56 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Insulin-like growth factors (IGFs): Implications for aging.
ACCESSION NUMBER: 92353358 EMBASE
DOCUMENT NUMBER: 1992353358
TITLE: Insulin-like growth factors (IGFs): Implications for aging.
AUTHOR: Cohen P.; Ocrant I.; Fielder P.J.; Neely E.K.; Gargosky S.E.; Deal C.I.; Ceda G.P.; Youngman O.; Pham H.; Lamson G.; Giudice L.C.; Rosenfeld R.G.
CORPORATE SOURCE: Department of Pediatrics, Division of Pediatric Endocrinology, Stanford University Medical Center,Stanford, CA 94305, United States
SOURCE: Psychoneuroendocrinology, (1992) Vol. 17, No. 4, pp. 335-342.
ISSN: 0306-4530 CODEN: PSYCDE
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 003 Endocrinology
020 Gerontology and Geriatrics
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 921220
Last Updated on STN: 921220

L21 ANSWER 57 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Modulation of the epidermal growth factor receptor of mouse **embryonic** palatal mesenchyme cells **in vitro** by growth factors.
ACCESSION NUMBER: 92250631 EMBASE
DOCUMENT NUMBER: 1992250631
TITLE: Modulation of the epidermal growth factor receptor of mouse **embryonic** palatal mesenchyme cells **in vitro** by growth factors.
AUTHOR: Sharpe P.M.; Brunet C.L.; Ferguson M.W.J.
CORPORATE SOURCE: Animal and Human Reproduction, Dept. of Cell/Structural Biology, University of Manchester, Oxford Road,Manchester M13 9PT, United Kingdom
SOURCE: International Journal of Developmental Biology, (1992) Vol. 36, No. 2, pp. 275-282.
ISSN: 0214-6282 CODEN: IJDBE5
COUNTRY: Spain
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 001 Anatomy, Anthropology, Embryology and Histology
021 Developmental Biology and Teratology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 920913
Last Updated on STN: 920913

L21 ANSWER 58 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Transforming growth factor β has neurotrophic actions on sensory neurons **in vitro** and is synergistic with nerve growth

factor.
ACCESSION NUMBER: 92250409 EMBASE
DOCUMENT NUMBER: 1992250409
TITLE: Transforming growth factor β has neurotrophic actions on sensory neurons in vitro and is synergistic with nerve growth factor.
AUTHOR: Chalazonitis A.; Kalberg J.; Twardzik D.R.; Morrison R.S.; Kessler J.A.
CORPORATE SOURCE: Dept. of Anatomy and Cell Biology, College of Physicians and Surgeons, Columbia University, 630 W. 168th St.,New York, NY 10032, United States
SOURCE: Developmental Biology, (1992) Vol. 152, No. 1, pp. 121-132. ISSN: 0012-1606 CODEN: DEBIAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 001 Anatomy, Anthropology, Embryology and Histology
021 Developmental Biology and Teratology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 920913
Last Updated on STN: 920913

L21 ANSWER 59 OF 66 MEDLINE on STN DUPLICATE 4
TI Influence of the fetus and estrogen on maternal serum growth hormone, **insulin-like growth factor-II**, and epidermal growth factor concentrations during baboon **pregnancy**.
ACCESSION NUMBER: 92063866 MEDLINE
DOCUMENT NUMBER: PubMed ID: 1954892
TITLE: Influence of the fetus and estrogen on maternal serum growth hormone, **insulin-like growth factor-II**, and epidermal growth factor concentrations during baboon **pregnancy**.
AUTHOR: Putney D J; Henson M C; Pepe G J; Albrecht E D
CORPORATE SOURCE: Department of Obstetrics/Gynecology, University of Maryland School of Medicine, Baltimore 21201.
CONTRACT NUMBER: RO1-HD-13294 (NICHD)
T32-HD-07170 (NICHD)
SOURCE: Endocrinology, (1991 Dec) 129 (6) 3109-17.
Journal code: 0375040. ISSN: 0013-7227.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199112
ENTRY DATE: Entered STN: 19920124
Last Updated on STN: 20000303
Entered Medline: 19911227

L21 ANSWER 60 OF 66 EMBASE
TI Possible roles for TGFβ1 in the gastrulating chick **embryo**.
ACCESSION NUMBER: 91240207 EMBASE
DOCUMENT NUMBER: 1991240207
TITLE: Possible roles for TGFβ1 in the gastrulating chick **embryo**.
AUTHOR: Sanders E.J.; Prasad S.
CORPORATE SOURCE: Department of Physiology, University of Alberta,Edmonton, Alta. T6G 2H7, Canada
SOURCE: Journal of Cell Science, (1991) Vol. 99, No. 3, pp. 617-626.
ISSN: 0021-9533 CODEN: JNCSAI

COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 911216
Last Updated on STN: 911216

=> dis ti ibib l21 61-66
YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, EMBASE' - CONTINUE? (Y)/N:Y

L21 ANSWER 61 OF 66 EMBASE
TI Serum and follicular fluid insulin like growth factors I and II during growth hormone co-**treatment** for **in-vitro** fertilization and **embryo** transfer.
ACCESSION NUMBER: 91331714 EMBASE
DOCUMENT NUMBER: 1991331714
TITLE: Serum and follicular fluid insulin like growth factors I and II during growth hormone co-**treatment** for **in-vitro** fertilization and **embryo** transfer.
AUTHOR: Owen E.J.; Torresani T.; West C.; Mason B.A.; Jacobs H.S.
CORPORATE SOURCE: Cobbold Laboratories, Middlesex Hospital, Mortimer Street,London W1N 8AA, United Kingdom
SOURCE: Clinical Endocrinology, (1991) Vol. 35, No. 4, pp. 327-334. ISSN: 0300-0664 CODEN: CLENAO
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 920305
Last Updated on STN: 920305

L21 ANSWER 62 OF 66 EMBASE
TI Role of transforming growth factor-β in chondrogenic pattern formation in the **embryonic** limb: Stimulation of mesenchymal condensation and fibronectin gene expression by exogenous TGF-β and evidence for endogenous TGF-β-like activity.
ACCESSION NUMBER: 91161030 EMBASE
DOCUMENT NUMBER: 1991161030
TITLE: Role of transforming growth factor-β in chondrogenic pattern formation in the **embryonic** limb: Stimulation of mesenchymal condensation and fibronectin gene expression by exogenous TGF-β and evidence for endogenous TGF-β-like activity.
AUTHOR: Leonard C.M.; Fuld H.M.; Frenz D.A.; Downie S.A.; Massague J.; Newman S.A.
CORPORATE SOURCE: Department of Cell Biology, New York Medical College, Valhalla, NY 10595, United States
SOURCE: Developmental Biology, (1991) Vol. 145, No. 1, pp. 99-109. ISSN: 0012-1606 CODEN: DEBIAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 001 Anatomy, Anthropology, Embryology and Histology
021 Developmental Biology and Teratology

022 Human Genetics
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 911216
Last Updated on STN: 911216

L21 ANSWER 63 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI GRF **treatment** of late **pregnant** ewes alters maternal and fetal somatotropic axis activity.
ACCESSION NUMBER: 91180674 EMBASE
DOCUMENT NUMBER: 1991180674
TITLE: GRF **treatment** of late **pregnant** ewes alters maternal and fetal somatotropic axis activity.
AUTHOR: Blanchard M.M.; Goodyer C.G.; Charrier J.; Kann G.; Garcia-Villar R.; Bousquet-Melou A.; Toutain P.L.; Barenton B.
CORPORATE SOURCE: INRA-ENSA, Unite de Differenciation, Cellulaire et Croissance, 2, Place P. Viala,34060 Montpellier-Cedex, France
SOURCE: American Journal of Physiology - Endocrinology and Metabolism, (1991) Vol. 260, No. 4 23-4, pp. E575-E580. ISSN: 0002-9513 CODEN: AJPMD
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 911216
Last Updated on STN: 911216

L21 ANSWER 64 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI **Insulin-like growth factor** II is a potent inhibitor of the aromatase activity of human placental cytotrophoblasts.
ACCESSION NUMBER: 90391061 EMBASE
DOCUMENT NUMBER: 1990391061
TITLE: **Insulin-like growth factor II** is a potent inhibitor of the aromatase activity of human placental cytotrophoblasts.
AUTHOR: Nestler J.E.
CORPORATE SOURCE: Medical College of Virginia, Div. Endocrinology/Metabolism, MCV Station, Box 111,Richmond, VA 23298-0111, United States
SOURCE: Endocrinology, (1990) Vol. 127, No. 5, pp. 2064-2070. ISSN: 0013-7227 CODEN: ENDOAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
037 Drug Literature Index
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 911213
Last Updated on STN: 911213

L21 ANSWER 65 OF 66 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Transforming growth factor β stimulates the expression of fibronectin and of both subunits of the human fibronectin receptor by cultured human lung fibroblasts.
ACCESSION NUMBER: 88104192 EMBASE

DOCUMENT NUMBER: 1988104192
TITLE: Transforming growth factor β stimulates the expression of fibronectin and of both subunits of the human fibronectin receptor by cultured human lung fibroblasts.
AUTHOR: Roberts C.J.; Birkenmeier T.M.; McQuillan J.J.; Akiyama S.K.; Yamada S.S.; Chen W.-T.; Yamada K.M.; McDonald J.A.
CORPORATE SOURCE: Respiratory and Critical Care Division, Department of Medicine, Washington University School of Medicine, St. Louis, MO 63110, United States
SOURCE: Journal of Biological Chemistry, (1988) Vol. 263, No. 10, pp. 4586-4592.
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 029 Clinical Biochemistry
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 911211
Last Updated on STN: 911211

L21 ANSWER 66 OF 66 EMBASE
TI An examination of the proposed roles of placental lactogen in the ewe by means of antibody neutralization.
ACCESSION NUMBER: 86012651 EMBASE
DOCUMENT NUMBER: 1986012651
TITLE: An examination of the proposed roles of placental lactogen in the ewe by means of antibody neutralization.
AUTHOR: Waters M.J.; Oddy V.H.; McCloghry C.E.; et al.
CORPORATE SOURCE: Department of Physiology, University of Queensland, St. Lucia, Qld. 4067, Australia
SOURCE: Journal of Endocrinology, (1985) Vol. 106, No. 3, pp. 377-386.
CODEN: JOENAK
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
003 Endocrinology
030 Pharmacology
LANGUAGE: English
ENTRY DATE: Entered STN: 911210
Last Updated on STN: 911210

metabolic demands of the developing fetus throughout gestation.
REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 42 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:1891 HCAPLUS
DOCUMENT NUMBER: 140:58171
TITLE: Effect of interleukin-10 null mutation on maternal immune response and reproductive outcome in mice
AUTHOR(S): White, Christine A.; Johansson, Martina; **Roberts, Claire T.**; Ramsay, Alistair J.; Robertson, Sarah A.
CORPORATE SOURCE: Department of Obstetrics and Gynaecology and Reproductive Medicine Unit, University of Adelaide, Adelaide, 5005, Australia
SOURCE: Biology of Reproduction (2004), 70(1), 123-131
CODEN: BIREBV; ISSN: 0006-3363
PUBLISHER: Society for the Study of Reproduction
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Interleukin-10 (IL-10) is an anti-inflammatory and immune-deviating cytokine expressed in the endometrium and placenta. IL-10 null mutant (IL-10-/-) mice have been employed to examine the role of IL-10 in regulating immune events in early pregnancy and its significance in implantation and pregnancy success. The inflammatory response elicited in endometrial tissue by insemination was amplified in IL-10-/- mice, with a 66% increase in leukocytes in the endometrial stroma on Day 3 of pregnancy. Despite this, no evidence of abnormal type 1/type 2 skewing was seen in T-lymphocytes from lymph nodes draining the uterus. On Day 18 of gestation, IL-10-/- females mated with IL-10-/- males had 15% more implantation sites and 27% more viable fetuses than pregnant wild-type (IL-10+/+) mice. Placental weight was unaffected, but fetal weight and the fetal:placental weight ratio were higher in IL-10-/- pregnancies. Similar data were obtained in allogeneic pregnancies when IL-10-/- females were mated with major-histocompatibility complex (MHC) disparate IL-10-/- males. Pups delivered by IL-10-/- mothers had increased birth weight and followed an altered growth trajectory, with growth impairment evident from early postnatal life into adulthood, which was reflected in alterations in body composition at 14 wk of age. This study shows that although IL-10 is not essential for maternal immune tolerance or successful pregnancy irresp. of MHC disparity in the fetus, maternal IL-10 is a determinant of growth trajectory in progeny in utero and after birth.
REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 42 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:980240 HCAPLUS
DOCUMENT NUMBER: 141:12095
TITLE: Surfactant-Free, Biodegradable Nanoparticles for Aerosol Therapy Based on the Branched Polyesters, DEAPA-PVAL-g-PLGA
AUTHOR(S): Dailey, L. A.; Kleemann, E.; Wittmar, M.; Gessler, T.; Schmehl, T.; **Roberts, C.**; Seeger, W.; Kissel, T.
CORPORATE SOURCE: Department of Pharmaceutics and Biopharmacy, Philipps University, Marburg, 35037, Germany
SOURCE: Pharmaceutical Research (2003), 20(12), 2011-2020
CODEN: PHREEB; ISSN: 0724-8741
PUBLISHER: Kluwer Academic/Plenum Publishers

DOCUMENT TYPE: Journal
LANGUAGE: English
AB This study describes the development of surfactant-free, biodegradable nanoparticle systems with varying physicochem. properties and their suitability for pulmonary application via nebulization. Nanoparticle suspensions were formulated from the branched polyester, diethylaminopropyl amine-poly(vinyl alc.)-grafted-poly(lactide-co-glycolide) (DEAPA-PVAL-g-PLGA) alone, as well as with increasing amts. of CM-cellulose (CMC). Particle size, ζ potential, turbidity, and morphol. (atomic force microscopy) were characterized. Three formulations were chosen for further study: Cationic nanoparticles without CMC, cationic nanoparticles with CMC, and anionic nanoparticles with an excess of CMC. Nanoparticle degradation was characterized, as well as stability during nebulization. Nanoparticle-**cell** interactions were investigated and quantified using confocal laser scanning microscopy and fluorescence spectrometry. Nanoparticles ranged in size from 70-250 nm and displayed ζ potentials of +58.9 to -46.6 mV. Anionic nanoparticles showed the highest stability during nebulization. The degradation rate of each nanoparticle formulation decreased with increasing amts. of CMC. **Cell** association was highest among cationic nanoparticles (57% and 30%, resp.), although these were not internalized. Despite a lower rate of **cell** association (3%), anionic nanoparticles were internalized by A549 **cells.** Surfactant-free nanoparticles from DEAPA-PVAL-g-PLGA are versatile drug delivery systems; however, only the anionic formulations investigated were proven suitable for aerosol therapy.
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 42 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:878441 HCAPLUS
DOCUMENT NUMBER: 140:326732
TITLE: Tissue engineering for wound and organ repair: angiogenesis as a mechanism of action
AUTHOR(S): **Roberts, C.**; Mansbridge, J.; Kellar, R.; Ratcliffe, A.
CORPORATE SOURCE: Advanced Tissue Sciences Inc. & Smith and Nephew, La Jolla, CA, 10933, USA
SOURCE: Recent Research Developments in Biomaterials (2002), 323-334. Editor(s): Ikada, Yoshito. Research Signpost: Trivandrum, India.
CODEN: 69ESA9; ISBN: 81-7736-123-6
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English
AB A review and discussion. Over the last two decades, skin substitutes have been developed which have found application in the treatment of acute and chronic wounds. Laboratory investigation of the mechanism of action of these agents has revealed that they depend for their action on the production of growth factors, on the provision of a substrate on which keratinocyte **migration** can take place, and in the modification of the inflammatory response. The angiogenic activity of tissue engineered products, such as Dermagraft which is a three-dimensional, scaffold-based fibroblast culture system, has lead to their application to the important problem of reperfusion of the heart made ischemic by coronary arterial occlusion. Recent studies in exptl. animals have demonstrated that Dermagraft application to a heart in which the coronary circulation has been occluded, causes the generation of new blood vessels including arterioles, venules and capillaries. In the future, optimization of such a system; in terms of **cell** type, scaffold architecture and